



July 15, 2015

Mr. Jim Orr
Oregon Department of Environmental Quality
Northwest Region – Portland Office
2020 S.W. Fourth Avenue, Suite 400
Portland, Oregon 97201

SITE: CONTAINER MANAGEMENT SERVICES, LLC
3000 N.W. ST. HELENS ROAD
PORTLAND, OREGON

RE: STORMWATER ASSESSMENT AND ADDITIONAL SITE ACTIVITY REPORT

Dear Mr. Orr,

On behalf of IMACC Corporation, SLR International Corporation (SLR) has prepared this Stormwater Assessment and Additional Site Activity Report for the Container Management Services, LLC Site, located at 3000 N.W. St. Helens Road in Portland, Oregon.

If you have any questions or comments regarding this document, please feel free to contact me at (510) 451-1761 ext. 201.

Sincerely,

SLR International Corporation

Mohammad Bazargani P.E.
Managing Principal

Cc: Mr. Dana Zanone, IMACC Corporation.
Ms. Eva DeMaria, EPA.
Mr. Sean Sheldrake, EPA.



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STORMWATER ASSESSMENT AND ADDITIONAL SITE ACTIVITIES REPORT

Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon

SLR Ref: 117.00973.00005

June 2015

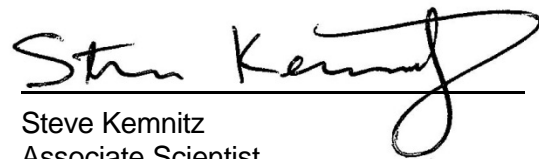


**Stormwater Assessment and Additional Site Activities Report
3000 NW St. Helens Road
Portland, Oregon**

Prepared for:

IMACC Corporation
3527 Mt. Diablo Boulevard, #410
Lafayette, California

This document has been prepared by SLR International Corp. The material and data in this report were prepared under the supervision and direction of the undersigned.



Steve Kemnitz
Associate Scientist



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Managing Principal

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ACRONYMS

BMPs	Best Management Practices
BNSF	Burlington Northern Santa Fe Corporation
COCs	Contaminants of Concern
COIs	Contaminants of Interest
CMS	Container Management Services
CMS-CA	Container Management Services, a California Limited Liability Company
CSC	Conveyor Secondary Containment
CSM	Conceptual Site Model
CMS	Container Management Services
DEQ	Department of Environmental Quality
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DUP	Duplicate Sample
ECSI	Environmental Cleanup Site
EDR	Environmental Data Resources, Inc.
EMLL	Electromagnetic Line Locator
fbg	Feet Below Grade
GPR	Ground Penetrating Radar
HCL	Hydrogen Chloride
HDPVC	High Density Polyvinyl Chloride
IMACC	IMACC Corporation
JSCS	Joint Source Control Strategy
JSCS SLVs	Joint Source Control Strategy Screening Level Values
mg/kg	milligrams per kilogram
MCLs	Maximum Contaminant Level
MH	Manhole
MD	Metal Detector
No.	Number
NRC	NRC Environmental
NWTPH-G	Total Petroleum Hydrocarbon as Gasoline
NWTPH-D	Total Petroleum Hydrocarbon as Diesel

ACRONYMS CONT.

NWTPH-RRO	Residual Range Petroleum Hydrocarbon
NPDES	National Pollutant Discharge Elimination System
ODEQ	Oregon Department of Environmental Quality
PAHs	Polynuclear Aromatic Co
PCBs	Polychlorinated Biphenyls
POTW	Publicly Owned Treatment Works
PVC	Polyvinyl Chloride
PRP	Potentially Responsible Parties
ROW	Right of Way
TPH	Total Petroleum Hydrocarbon
TPH-D	Total Petroleum Hydrocarbon as Diesel
TPH-G	Total Petroleum Hydrocarbon as Gasoline
TPH-MO	Heavy Oil Range Hydrocarbons
SLR	SLR International Corp
SS	Soil Sample
SVOCs	Semi-volatile Organic Compound
SW	Stormwater System
VOCs	Volatile Organic Compounds

EXECUTIVE SUMMARY

On behalf of IMACC Corporation (IMACC) and in conjunction with Container Management Services, LLC (CMS), SLR International Corporation Inc. (SLR) has prepared this summary report for stormwater assessment activities conducted at the CMS container reconditioning facility, located at 3000 NW St. Helens Road, Portland, Oregon (Site) (Figure 1).

The assessment was performed pursuant to the request of the Oregon Department of Environmental Quality (DEQ) in the *Letter of Agreement for Stormwater Assessment and Source Control Container Management Services, ECSI #4787*, dated April 11, 2007. Stormwater Assessment activities, consisting of initial surficial soil sampling, sediment sampling, and stormwater discharge sampling; were performed in accordance with the following documents: SES January 2009, *Stormwater Assessment Workplan* (the Workplan); DEQ letters dated July 25, 2008 *DEQ Comments to March 12, 2008 Draft Stormwater Assessment Workplan for Container Management Services Site* and May 27, 2009 *DEQ Comments to January 30, 2009 Stormwater Assessment Workplan for Container Management Services Site*; City of Portland Environmental Services Letters dated March 21, 2008 *Review of Stormwater Assessment Workplan, Container Management Services* and April 20, 2009 *Review of Revised Stormwater Assessment Workplan, Container Management Services; Instructions for Developing Portland Harbor Catch Basin Sampling Plans and Summary Reports*; and the Joint Source Control Strategy (JSCS) *Appendix D Framework for Portland Harbor Storm Water Screening Evaluations* (JSCS Document).

Several additional stormwater related activities, not outlined in the Stormwater Assessment Workplan, were conducted at the Site during the course of assessment activities. These supplementary activities were developed and refined in conjunction with the Oregon Department of Environmental Quality (DEQ), IMACC, Strategic Engineering and Science (SES), SLR, and CMS.

Site stormwater assessment activities and supplementary stormwater activities consisted of the following tasks:

- Site survey to further refine understanding of all drainage basins and stormwater sheet flow throughout the Site.
- Collection of sediment samples in three (3) Site catch basins connected to the City's stormwater system (SW-3, SW-6, and SW-8).
- Collection of sediment sample in manhole (MH-1) along NW St. Helens Road, upgradient of the Site.
- Collection of sixty (60) surface soil samples from depths ranging from 0.5 feet below grade (fbg) to 4 fbg, at thirty locations from un-paved areas near stormwater catch basins and high traffic areas, to characterize sediments with potential for off-site transport via stormwater sheet flow.
- Collection of four stormwater samples during qualifying storm events.
- Video survey of Site stormwater conveyance lines.

- Geophysical investigation of potential dry wells onsite.
- Cleaning of stormwater lines.

As part of this investigation site stormwater flow patterns were studied. Based on field observations of site stormwater there are four primary drainage basins on the Site:

- Front Yard Drum Storage Drainage Basin – Includes un-paved portions of the Front Yard Drum Storage area, catch basin SW-1, and over flow box SW-12.
- Soule Yard Drainage Basin – Includes portions of the unpaved Southwest Drum Storage Yard, which discharges to stormwater line access vault SW-2.
- Warehouse Drainage Basin – Includes the facility buildings (including roof drains), the paved parking lot which discharge to catch basin SW-4, the recently capped western area of the facility, and unpaved portions of the facility along the northwest property boundary and portions of the railroad right-of-way which discharge to catch basin SW-6.
- SW-8 Drainage Basin – Includes paved and unpaved portions of the northern drum storage yard and the area immediately adjacent to catch basin SW-8.

In addition, there are areas of the Site where the stormwater flows to the on-site waste water treatment system. These areas include: the conveyor secondary containment area in the front yard and the areas surrounding catch basins SW-9, SW-10, and SW-11. The stormwater collected in these areas has the potential to come into contact with the drum recycling and reconditioning operations.

Results of the various site investigations indicate that contaminants of concern (COCs) exist on site in surficial soils in the Front Yard Drum Storage Drainage Basin, the Soule Yard Drainage Basin and the SW-8 Drainage Basin. Although recently implemented site improvements and Site best management practices (BMPs) have had a positive effect on limiting the transport of COCs to the Site stormwater system; the potential for impacted surficial soils to enter into the City of Portland stormwater system during future storm events remains. Consequently, SLR recommends that IMACC and CMS investigate implementing more stringent BMPs and develop alternatives which would address possible migration of soil from the Site into the City of Portland stormwater system.

1. INTRODUCTION

1.1 OBJECTIVES

The objective of the assessment activities were to improve the understanding of stormwater flow patterns and to screen Site soils, catch basin sediments, and stormwater discharges to ensure the Site is not potentially contributing hazardous substances to the Willamette River via municipal or private stormwater utilities.

1.2 SCOPE OF WORK

Site stormwater assessment activities and supplementary stormwater activities consisted of the following tasks:

- Site survey to further refine understanding of all drainage basins and stormwater sheet flow throughout the Site.
- Collection of sediment samples in three (3) Site catch basins connected to the City's stormwater system (SW-3, SW-6, and SW-8).
- Collection of sediment sample in manhole (MH-1) along NW St. Helens Road, upgradient of the Site.
- Collection of sixty (60) surface soil samples from depths ranging from 0.5 feet below grade (fbg) to 4 fbg, at thirty locations from un-paved areas near stormwater catch basins and high traffic areas, to characterize sediments with potential for off-site transport via stormwater sheet flow.
- Collection of four stormwater samples during qualifying storm events.
- Video survey of Site stormwater conveyance lines.
- Geophysical investigation of potential dry wells onsite.
- Cleaning of stormwater lines.

1.3 SCREENING CRITERIA

As part of this stormwater assessment investigation, data from stormwater samples and sediment samples were compared to Joint Source Control Strategy Screening Level Values (JSCS SLVs) for Soil/Stormwater Sediment, Stormwater, Groundwater, and Surface Water. Screening criteria are included with data summarized in Tables 1A through 1G, Tables 2A through 2G, and Tables 3B through 3H.

Due to interference from non-target compounds and/or too much sample mass present in the sample containers; some detection limits exceeded the listed screening criteria. Laboratory detection limits exceeding state screening criteria in samples are highlighted in the data summary tables.

2. SITE DESCRIPTION

2.1 SITE LOCATION AND GENERAL CHARACTERISTICS

CMS operates a container reconditioning facility in Portland, Oregon. Additional operations at the Site include drum recycling and drum storage. The Site covers an area of approximately 2.2 acres, and is situated approximately 3/4 mile southeast of the Willamette River (Figure 1). The Site is owned by IMACC.

The Site is located in an area zoned for light industrial and commercial activities. The Site is bounded on the east by Carson Oil, on the south by Don Thomas Petroleum, on the west by St. Helens road, and on the north by Wilhelm Trucking. The former Columbia Plating operation was located to the east of the Site on property owned or operated by Carson Oil. The buildings and drum furnace yard is fenced and access to the Site is limited. Figure 2 shows the general layout of the Site including details of roadways and structures.

2.2 SITE HISTORY

The Site was owned and operated as a drum reconditioning plant by Reimann and McKenney from 1939 to 1986. A detailed description of complete Site operations during this time period is currently unknown. The 1970 Site plan prepared for Reimann and McKenney indicates that the facility was connected to the City of Portland POTW in 1971, with wastewater first being treated at the Site before discharging to the sanitary sewer.

IMACC (doing business as Myers Container) began operations at the Site in 1986 and continued to operate until February 1996. In 1996 IMACC entered into a joint venture with the individual owners of Western Drum and formed Container Management Services, LLC, a California limited liability company (CMS-CA).¹ IMACC retained ownership of the real property, while CMS-CA became the operator of the drum reconditioning and recycling facility in 1996. In October 2007 the CMS-CA joint venture was dissolved and the lease was assigned to the new CMS.

In late 2008, CMS disconnected and capped the drum reconditioning process drain lines that previously discharged to the wastewater treatment unit, and is reusing/recycling process water until it is no longer usable, when it is properly disposed of offsite. CMS believes that these process water upgrades at the Site will ensure zero discharge of wastewater to the POTW, and is evaluating the use of continued use of the wastewater treatment system on the Site.

One spill event occurred and was reported to state and local regulatory agencies during the last ten years. A description of this spill event is provided as follows:

- On March 6, 1997, a spill of diesel fuel occurred in the vicinity of Area 2 (Office Parking and Tank Storage Area - See Figure 2). The release was attributed to an overfilling of a tank truck owned by Oil Re-Refining Company of Portland, Oregon. The volume of the released fuel was initially estimated at approximately 50 gallons; however subsequent

¹ CMS, the current operator of the Site, is not the same corporate entity as CMS-CA.

calculations by Oil Re- Refining Company personnel revised the estimate of oil released to be approximately 27 gallons.

- The release occurred after the tank truck had completed pumping used diesel oil from the CMS St. Helens facility into the tank truck. The actual spill event was caused by the driver mistakenly placing the pump controls into a reverse mode resulting in a blow out of a seal gasket and subsequent oil discharge from the truck (i.e., to the ground). The spilled oil was contained by the driver and nearby personnel using absorbent materials on hand. A storm drain sewer in the local vicinity of the release (SW-4) was equipped with an inverted siphon arrangement which prevented liquids from flowing into the city sewer system.
- The spill was promptly reported to the City of Portland Bureau of Fire, Rescue and Emergency Services and the Bureau of Environmental Services and to the DEQ. The volume of spilled fuel was less than the reportable quantity of 42 gallons and did not reach navigable waters. Following the cleanup of spilled fuel, the area was washed clean with a pressure washer and SW-4 was completely cleaned out.

CITY OF PORTLAND BES INVESTIGATION

In August 2004, the City of Portland Bureau of Environmental Services (BES) collected one inline solid sample from access point SW-3 (AAX281 in BES report) at the Site. Analytical results were summarized in the City of Portland Environmental Services, *Technical Memorandum No. of 18-1, City Outfall Basin 18, Inline Solids Sampling in the Vicinity of Container Management Services and Wilhelm Trucking Co.*, dated March 21, 2006.

The sample was analyzed for metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, and zinc), semi-volatile organic (SVOCs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (NWTPH-HCID with Dx and Gx as necessary). Sample concentrations were compared against the Portland Harbor Joint Source Control Strategy (JSCS) soil/stormwater sediment screening level values (SLVs) (DEQ/EPA, 2005).

According to the BES report, concentrations of certain constituents exceeded the JSCS SLVs in the sample collected from SW-3.

During this investigation, the City also conducted a video survey of the stormwater conveyance lines located on the Site. A previously unknown lateral was discovered in Area 1 between St. Helens Road and catch basin SW-1 (Lateral ANB972). IMACC has subsequently identified the lateral as an abandoned line previously designed to drain stormwater from St. Helens Road into the CMS stormwater system. Currently the disconnected pipe can be viewed coming out of the wall below St. Helens Road. There are no visible connections to the pipeline, and therefore, is most likely not an active stormwater pathway.

The results were forwarded to ODEQ and as a result IMACC was requested to initiate investigation of the Site for potential of contaminant discharges via storm water.

2.3 GENERAL STORMWATER MANAGEMENT PRACTICES

Current stormwater management practices at the Site consist of regular inspections and maintenance of the storm drain system. All catch basins and conveyance systems are inspected monthly during the wet season and at least twice during the dry season. At these times, any obstructions or debris are removed from the system. Any spilled or leaked material observed that could be transported by stormwater runoff is removed and the source is eliminated. All accumulated sediments and other debris are removed from catch basins, no less than annually, prior to the start of the wet season. The paved areas of the Site are swept as necessary to remove sediment and debris that might otherwise be transported to the stormwater discharge system. Best management practices (good housekeeping, storing drums with closed covers and bungs, etc.) at the Site are continuously reviewed and improved to ensure the Site activities do not affect stormwater discharge.

Employee training of stormwater management practices, Site specific best management practices, and spill control measures are conducted annually for specific individuals.

Additionally, all stormwater catch basins have been equipped with filter inserts and hay bales to prevent sediment from entering the stormwater discharge system.

2.4 FACILITY DRAINAGE

The approximate locations of all known storm drains, drainage basin boundaries, and a summary of general drainage conditions are described in the following paragraphs and depicted in Figure 3. In an effort to better understand site drainage conditions a site survey was conducted by a licensed surveying company in December 2009. Survey results are contained in Appendix A.

Surface run-off which does not percolate into the soil drains as sheet flow to existing storm drain catch basins situated throughout the Site. The stormwater is then conveyed to a 42-inch diameter concrete storm sewer line which emanates offsite as part of the City's storm drainage system. As presented in Figure 3, much of the stormwater at the facility percolates into the soil prior to reaching the stormwater drainage system.

During the summer of 2012, the production building underwent a roof replacement. As part of this project, roof gutters were re-installed on the east, west, and south sides of the building and connected to the existing pipeline in the Front Yard Drum Storage Area and ultimately to the municipal stormwater system.

Based on the observations and findings of this investigation the facility is divided into the following four stormwater drainage basins:

- Front Yard Drum Storage Drainage Basin – Includes un-paved portions of the Front Yard Drum Storage area, catch basin SW-1, and over flow box SW-12².
- Soule Yard Drainage Basin – Includes portions of the unpaved Southwest Drum Storage Yard, which discharges to stormwater line access vault SW-2.

² SW-12 is part of the storm drain overflow structure installed by IMACC in 2005.

- Warehouse Drainage Basin – Includes the facility buildings (including roof drains), the paved parking lot which discharge to catch basin SW-4, the western area of the facility, and unpaved portions of the facility along the northwest property boundary and portions of the railroad right-of-way which discharge to catch basin SW-6.
- SW-8 Drainage Basin – Includes paved and unpaved portions of the northern drum storage yard and the area immediately adjacent to catch basin SW-8.

Front Yard Drum Storage Drainage Basin

The Front Yard Drum Storage Drainage Basin encompasses the area around over flow box SW-12 and catch basin SW-1, both of which collect stormwater within the unpaved yard. Much of the stormwater in the front yard percolates into the soil, but during prolonged storm activity stormwater in the immediate vicinity of both SW-1 and SW-12 may accumulate and flow into the stormwater system.

Stormwater from Front Yard Drum Storage Drainage Basin entering the stormwater system flows to access vault SW-2 and then through the 42-inch diameter storm sewer line and access vault SW-3 prior to leaving the Site.

Soule Yard Drainage Basin

The Soule Yard Drainage Basin encompasses the area around access vault SW-2 and catch basin SW-13. SW-2 is an access vault to the main 42-inch storm line that bisects the Site and is situated in the largely un-paved Soule Yard Drainage Basin. Much of the stormwater in this basin percolates into the soil, but during prolonged storm activity stormwater in the immediate vicinity of SW-2 may accumulate and flow into the stormwater system. Catch basin SW-13 is located in a paved area southwest of the Soule Yard Warehouse building and collects surface sheet flow from the surrounding paved area.

Stormwater from Soule Yard Drainage Basin flows directly from either SW-2 or SW-13 to the 42-inch diameter concrete storm sewer line and through access vault SW-3 prior to leaving the Site.

Warehouse Drainage Basin

The Warehouse Drainage Basin encompasses the area around catch basin SW-3, SW-4, SW-5, SW-6, and the roof drains associated with the Warehouse Building.

SW-3, located in the drum furnace area, is an access vault to the main 42-inch storm line that bisects the Site. The edges of access point SW-3 are raised above grade, thus preventing sheet flow from entering.

Catch Basin SW-4 is situated at the east end of the paved office parking lot. The area is entirely paved and is an active area used for staging tank trucks for removal of used oil for offsite recycling and for the rinsing of temporary bulk containers. A steel drain cover rests on SW-4 at all times in order to contain a catastrophic release of large volumes of oil. During prolonged storm activities, stormwater accumulated in the area is inspected prior to the opening of the drain cover.

Catch basin SW-5 is situated along the graveled road way that leads past the Loading Dock area in the northwestern portion of the Site. Catch basin SW-6 was removed from use during the recent implementation of Site BMPs. Stormwater from roof drains 8 through 11, which are damaged and flows directly onto the ground, is collected in these catch basins via sheet flow. Recently several site improvements and BMPs, including the closure of SW-6, have been implemented in the immediate vicinity of the warehouse building which has been shown to significantly reduce the migration of sediments into the stormwater system.

SW-7 was thought to exist to the southwest of SW-6. In reviewing chronological historical stormwater engineering drawings from 1970 and 1971 for the Site and after conducting a geophysical investigation, SLR and IMACC have concluded that SW-7 is no longer connected to SW-3 and has been removed.

The Warehouse Drainage Basin also contains roof drains from the Warehouse Building. Roof Drains 1 through 4 are connected to the stormwater system through underground piping. During recent Warehouse Roof improvement activities, roof drains 5 through 7 were connected to the stormwater system via a system of underground and above ground piping; as described in Section 3.6 of this report. Stormwater from roof drains 8 through 11, which are damaged and flows directly onto the ground, is collected in catch basins via sheet flow.

Stormwater from Warehouse Drainage Basin which enters the stormwater system is directed through SW-6 and then eastward through access vault SW-3 and to the 42-inch concrete main pipe.

SW-8 Drainage Basin

The SW-8 Drainage Basin encompasses the area around catch basin SW-8, which is located in the Rear Storage Yard next to the container off-loading dock. Much of the stormwater in the unpaved sections either percolates into the soil or ponds in the eastern portion of the Yard. However, during prolonged storm activity, stormwater may accumulate and flow to SW-8. SW-8 is connected to the 42-inch storm sewer line prior to it leaving the Site.

To the south of SW-8 is the former catch pan-lined chain conveyor trench which runs along the eastern and northern boundary of the northern unpaved drum storage yard. The former chain conveyor trench is bordered by an elevated curb on the eastern property line of the north drum storage yard and a concrete sidewalk on the Site side. This trench is not connected to either the Site stormwater system or the Waste Water Treatment System. Stormwater collected in the trench remains in place and either percolates into the soil or evaporates following the storm event.

Wastewater Treatment System

Stormwater accumulating in portions the unpaved front drum storage yard, paved office parking area, the railroad right of way, and portions the Wastewater Treatment Area is captured by existing catch basins SW-10, SW-11, and the conveyor secondary containment (CSC). Stormwater from these areas are then routed through the treatment system along with other industrial wastewater, where it is treated and discharged to the POTW. SW-9 was previously part of the POTW system but has subsequently been closed. These remaining catch basins are not connected to the City of Portland storm drainage system.

As stated above, during prolonged storm activities, stormwater may flow to the CSC catch basin. Stormwater entering the CSC catch basin flows to the nearby sump, which is connected to the wastewater treatment system.

Catch basin SW-9 was previously situated in the northern corner of the office parking area and has subsequently been closed. Catch basins SW-10 and SW-11 collect potential surface flow from facilities in drum furnace area and route the drainage to the wastewater treatment system. These catch basins are therefore considered part of the internal facility wastewater drainage and treatment system.

2.5 FACILITY TRAFFIC AREAS

The Site consists of three operational areas that are separated by a BNSF Railroad Right of Way (ROW). Two areas east of the ROW, the Soule Yard and the Rear Storage Yard, are not contiguous, but separated by Carson Oil property. The area west of the ROW consists of a drum storage yard and steel drum cleaning and coating facilities (Front Yard and Production).

All the storage yards, roads and buildings at the facility are accessible from public streets, including St Helens Road and Lake Street. Access to the Rear Storage Yard to and from St Helens Road and the Front Yard and Production area requires crossing the Railroad ROW at the north end of the Site. The Soule Yard is accessed directly from unimproved Lake Street.

There are five destinations for traffic to and from the facility. These destinations can be categorized as follows (as shown on Figure 4):

Warehouse Dock: Clean reconditioned empty containers are shipped from the Warehouse dock on tractor trailers. These shipments exit the plant at the northern drive way to N.W. St. Helens Road.

Front Yard Empty Drum Storage Basin: Inbound empty open-head and tight-head containers are delivered to the front yard in tractor trailers. The front yard is accessed from Lake Street to the south and a N.W. St. Helens Road to the north. Steel drums are either offloaded directly to specified yard storage areas or directly into production areas. In addition, full or partially full trailers are parked at specific locations in the front yard for later handling. Trailers parked in this manner may be relocated by a Yard-use only Tractor. Once emptied, the trailers are relocated to receive the next load of drums or used to ship clean reconditioned drums to a customer.

In addition, drum coatings are delivered in 55 gallon steel drums and staged south of the Paint Room in the Front Yard.

Rear Storage Yard Empty Drum Storage Area (SW-8 Area): The Rear Storage Yard is accessed from St. Helens Road through the northern driveway, which crosses the Railroad ROW. Empty tight-head and poly drum storage occurs in the Rear Storage Yard. Tractor trailers are delivered to the Rear Storage Yard and the empty containers destined for reconditioning are off loaded at a recently relocated portable loading dock. Occasionally, trailers containing empty tight-head and open-head drums are parked temporarily on the Rear Storage Yard.

The north drive way to St Helens Road is also used to deliver adhesives, inks and drum parts (drum rings, plugs and covers) to the warehouse building. Plant forklifts are used to deliver these materials to storage or usage locations around the plant.

Soule Yard Empty Open-head Drum Storage Area: Tractor trailers deliver empty steel and plastic drums to the Soule Yard via access from unimproved Lake Street. Other materials delivered to the Soule Yard include empty waste transportation containers (roll off boxes), and maintenance material deliveries. Materials removed from the Soule Yard include various waste categories, such as hazardous waste from the 90-day storage area and special or non-hazardous wastes.

Parking Area between the Production and Warehouse Buildings: This area receives inbound small quantities of red diesel (not for use in vehicles) in 55 gallon drums which are delivered to the hard flusher.

3. VIDEO SURVEY OF SITE STORMWATER LINES

On September 27, 2010 and November 9, 2010, Cowlitz Clean Sweep, under the supervision of SLR, conducted a video survey of the following stormwater lines:

- Between SW-2 and SW-12
- Between SW-2 and SW-3
- Between SW-8 and the 42-inch pipeline
- Between SW-3 and Roof Drain 12

Videos of the stormwater lines are included in Appendix B. The following sections describe the findings.

3.1 SURVEY OF “DRUM PIPELINE” BETWEEN SW-2 AND SW-12

The survey was started at SW-2 and traveled south towards SW-12. The length of the surveyed pipeline is approximately 197 feet long. The first 41 feet of the pipeline is constructed of 18-inch concrete and is in good condition. The pipeline then transitions into a 22-inch pipe constructed of metal drums welded end to end. At approximately 56 feet, a lateral was observed, which leads to catch basin SW-1.

During videotaping activities, it was observed that the bottom 1/3 of the drum pipeline is rusted with several minor breaches. A significant breach, occurring along the bottom of the pipeline, was observed at approximately 190 feet to 197 feet from SW-2. IMACC is evaluating its options to repair the drum pipeline between SW-12 and SW-2.

Additionally, the drum pipeline appeared to be partially collapsed just beyond SW-12. Between December 20 and 28, 2010, the partially collapsed area just southwest of SW-12 was repaired. The repair consisted of removal of 8 feet of the drum pipeline (i.e. between SW-12 and the retaining wall) and replacement with an 18” HDPVC storm drain pipe and backfilling the excavated area with base rock.

3.2 SURVEY OF 42-INCH PIPELINE BETWEEN SW-2 AND SW-3

The survey was started at SW-2 and traveled northwest towards SW-3. The pipeline is constructed of 42-inch concrete and is in good condition. At approximately 140 feet, the line drains into an access vault, which is now referred to as MH-3 (Figure 2).

The survey was then moved to SW-3 and traveled east back towards MH-3. The pipeline is constructed of 42-inch concrete and is in good condition. At approximately 213 feet, a lateral was observed, which leads to catch basin SW-13 (Figure 2).

The survey was then moved to SW-3 and traveled northwest towards the property line to the north of the Site. The pipeline is constructed of 42-inch concrete and is in good condition. At

approximately 105 feet, a lower lateral was observed, which leads to SW-8. Additionally, there appears to be a large upper lateral at the same distance. The upper lateral's origins are unknown at this time. The survey was terminated at approximately 150 feet west of SW-3.

No additional laterals were observed, other than those described above.

3.3 SURVEY OF PIPELINE BETWEEN SW-8 AND 42-INCH PIPELINE

The survey was started at SW-8 and traveled towards the 42-inch pipeline. The length of the surveyed pipeline is approximately 262 feet.³ The pipeline is constructed of 6-inch PVC pipe and is in good condition. At approximately 120 feet and 223 feet two laterals were observed. Based on available information, the laterals were installed to facilitate construction of additional stormwater lines and catch basins if necessary. The laterals are currently capped and do not provide any influent stormwater.

3.4 SURVEY OF PIPELINE BETWEEN SW-3 AND ROOF DRAIN 12

An attempt was made to video survey the line from SW-3 to Roof Drain 12. At approximately 0.5 feet into the survey, however, the pipeline bent downwards and the camera became submerged in water. Accordingly, the video survey was terminated and no video was produced.

³ There is a discrepancy between the footage on the video and actual length of SW-8 connecting pipe due to several attempts in the video to move over objects. This may have caused some footage to be duplicative.

4. GEOPHYSICAL INVESTIGATION

On September 23, 2010 and December 2, 2010 Geophysical Survey LLC., under the supervision of SLR, conducted a geophysical survey of the following onsite areas:

- Potential SW-7 Location
- Potential Dry Well Near Roof Drain 13
- Potential Dry Well Near Paint Booth

The decision to conduct a geophysical survey was based upon the review of historical Site drawings and figures that depicted drywells in the vicinity of SW-7, Roof Drain 13 and the Paint Booth. DEQ requested additional investigation work to determine if the drywells actually exist today. Based on the potential location of the drywells, a geophysical survey of the area was conducted on December 2, 2010. The geophysical area was expanded from the September 23, 2010. The geophysical investigation report is presented in Appendix C.

The geophysical investigation was performed using hand-held metal detector (MD), electromagnetic line-locating (EMLL), and ground penetrating radar (GPR). MD is used to locate shallow buried metal objects. The EMLL is specifically used to detect common underground utilities. The GPR method uses a transducer to transmit FM frequency electromagnetic energy into the ground and provides a cross-sectional image of the shallow subsurface. Not all methods were used at all survey areas. A detailed report of the geophysical survey is presented in Attachment F. The following section provides a brief description of our findings.

4.1 POTENTIAL SW-7 LOCATION

One historical site drawing depicted a stormwater catch basin connected to Roof Drain 12. Although several subsurface utility lines were detected in this area, the geophysical investigation did not locate a catch basin in the area depicted on this drawing

Roof Drain 12 was traced 2 meters to the northeast before the signal was lost. Based on the results of the geophysical survey, it appears that SW-6 and Roof Drain 12 connects to SW-3 through a lateral which runs parallel to the Warehouse building as depicted on Geophysical Report (Appendix C)

4.2 POTENTIAL DRY WELL CONNECTED TO ROOF DRAIN 13

No drywell was identified in the area. However, a GPR feature was identified at approximately 1.2 meters across at a depth of 2.3 meters. According to the geophysical report, the subsurface feature is not consistent with a drywell or an underground storage tank.

The geophysical technician also traced the subsurface portion of Roof Drain 13. The line is approximately 0.9 meters deep and was traced northeast, parallel to the Warehouse Building for 17 meters before crossing the railroad tracks and linking to Catch Basin SW-11. Water from SW-11 is routed through the treatment system along with other industrial wastewater, where it is treated and discharged to the POTW.

4.3 POTENTIAL DRY WELL NEAR PAINT BOOTH

As stated above, following the original geophysical survey a newly discovered site drawing was identified that depicted a dry well near the paint booth. Accordingly, an additional geophysical survey was conducted in that area. The results confirmed, however, that no drywell exists in the area near the paint booth.

5. SEDIMENT SAMPLING

As part of the Stormwater Assessment sampling program, SLR and IMACC conducted sediment sampling within the stormwater system at select locations in and around the Site. Locations were selected to provide further understanding of stormwater sediments upstream of the Site, sediments within the functioning stormwater system of the Site, and sediments prior to exiting the Site. The following section describes sampling activities and results.

5.1 PRE-FIELD ACTIVITIES

Prior to the commencement of upgradient manhole sediment sampling activities an Access Agreement/Confined Space Entry Authorization was obtained from the City of Portland Environmental Services Department.

5.2 SEDIMENT SAMPLING ACTIVITIES

Sediment samples were collected from 3 of the 11 Site catch basins/access points (SW-3, SW-6, and SW-8) (Figure 2). These three catch basins/access points were chosen because they collect stormwater from the other Site catch basins prior to leaving the Site and provide a representative sample.

Sampling equipment and procedures were selected based on the City of Portland, Standard Operating Procedures, and Guidance for Sampling of Catch Basin Solids, as contained in JSCS Document.

Upgradient manhole sediment sample MH-1 was retrieved by NRC Environmental under confined space entry permit procedures.

Sediment samples in access vault SW-3 and offsite upgradient manhole MH-1 were retrieved by using a properly decontaminated stainless steel hand auger. Material was composited from both inlet and outlet pipes located within each structure. Collected sediments were placed in a glass jar and properly documented and stored pending analysis.

Sediment samples from SW-6 and SW-8 were retrieved by using a properly decontaminated steel trowel. Sediments were collected from five locations, from each corner and the center of the catch basin. Material recovered was then composited and placed in a glass jar and properly documented and stored pending analysis.

Sediment samples were submitted to Columbia Analytical Services, a State-certified laboratory, for analysis. The selected samples were properly preserved and transported to the laboratory under appropriate chain-of-custody protocol.

The laboratory analyzed the selected sediment samples for the following constituents:

- Total metals (EPA 200.8/245.1/6020/7471A)

- Total petroleum hydrocarbons as gasoline (TPH-G) (method NWTPH-Dx)
- Total petroleum hydrocarbons as diesel (TPH-D) (method NWTPH-Dx)
- Heavy oil range hydrocarbons (TPH-MO) (method NWTPH-Dx)
- Volatile organic compounds (VOCs) (EPA Method 8260B)
- Semi-volatile organic compounds (SVOCs) (EPA Method 8270C)
- Polychlorinated biphenyls (PCBs) (EPA Method 8082)
- Polynuclear aromatic compounds (PAHs) (EPA Method 8270-SIM)
- Organochlorine Pesticides (EPA 8081A)
- Total Suspended Solids
- Total Organic Carbons
- Total Solids
- Grain Size Analysis

A summary of sediment analytical results are presented in Tables 1A through 1G. Official laboratory analytical reports, including chains-of-custody, are included in Appendix D.

5.3 ANALYTICAL RESULTS

Concentrations of lead, mercury, and zinc in sediment samples from MH-1 (223, 0.150, and 639 mg/kg, respectively), SW-3 (161, 1.260, and 512 mg/kg, respectively), SW-6 (286, 0.405, and 870 mg/kg, respectively), and SW-8 (215, 1.790, and 964 mg/kg, respectively) exceeded the JSCS SLVs for soil/sediment (17, 0.070, 459 mg/kg, respectively).

Cadmium concentrations in the sediment sample from SW-8 (0.003450 mg/kg) exceeded the JSCS SLV of 0.00108 mg/kg. Copper concentrations in sediment samples from MH-1 (151 µg/kg), SW-6 (0.188 mg/kg), and SW-8 (0.163 mg/kg) exceeded the JSCS SLV of 0.149 mg/kg. Nickel concentrations in the sediment sample from SW-6 (0.049 µg/kg) exceeded the JSCS SLV of 0.0486 mg/kg. Silver concentrations in the sediment sample from SW-8 (0.005130 µg/kg) exceeded the JSCS SLV of 0.0050 mg/kg.

Concentrations of volatile organic compounds (VOCs) were not detected above JSCS SLVs in Site and off-Site sediment samples.

Concentrations of the semi-volatile organic compound (SVOCs) phenol were detected above the JSCS SLV (0.050 mg/kg) in sediment samples from SW-3 (0.097 mg/kg) and SW-6 (0.450 mg/kg). Concentrations of bis(2-ethylhexyl)phthalate were also detected above the JSCS SLV (0.320 µg/kg) in sediment samples from MH-1 (7.7 mg/kg), SW-3 (2.2 mg/kg), SW-6 (33 mg/kg), and SW-8 (130 mg/kg). No other SVOCs were detected above the JSCS SLVs in Site sediment samples.

Concentrations of the pesticides dieldrin and chlordane were detected above JSCS SLVs (0.0081 and 0.37 µg/kg, respectively) in sediment samples from MH-1 (0.043 and 0.140 mg/kg, respectively), SW-3 (0.021 and 0.180 mg/kg, respectively), SW-6 (0.053 and 0.890 mg/kg, respectively), and SW-8 (0.076 and 5.3 mg/kg, respectively). 4,4'-DDE was detected in sediment samples from SW-3 (0.020 mg/kg), SW-6 (0.084 mg/kg), and SW-8 (0.052 mg/kg) exceeding the JSCS SLV of 0.33 µg/kg. 4,4'-DDD and 2,4'-DDD were detected in sediment samples from SW-6 (0.130 and 0.110 mg/kg) and SW-8 (0.110 and 0.066 µg/kg, respectively).

exceeding the JSCS SLVs of 0.33 µg/kg. 2,4'-DDT was detected in sediment samples from MH-1 (0.010 mg/kg) and SW-6 (0.053 mg/kg) exceeding the JSCS SLV of 0.33 µg/kg.

Concentrations of the polychlorinated biphenyl (PCB) Aroclor 1254 were detected in sediment samples from SW-6 (0.640 mg/kg) and SW-8 (1.2 mg/kg) exceeding the JSCS SLV (0.300 mg/kg). Aroclor 1260 was detected above the JSCS SLV (0.2 mg/kg) in the sediment sample from SW-6 (0.25 mg/kg).

Polynuclear Aromatic Hydrocarbon (PAH) benzo(g,h,i)perylene was detected above the JSCS SLV (0.300 mg/kg) in sediment samples from MH-1 (0.61 mg/kg) and SW-8 (0.430 mg/kg). Concentrations of Indeno(1,2,3,-cd)pyrene in sediment samples from MH-1 (0.530 mg/kg), SW-3 (0.31 mg/kg), SW-6 (0.2 mg/kg), and SW-8 (0.39 mg/kg) exceeded the JSCS SLV of 0.1 mg/kg.

5.4 STORMWATER LINE SEDIMENT CLEANING

Following sediment sampling activities, stormwater lines between SW-12 and SW-2; SW-2 and SW-3; SW-8 and the 42-inch pipeline; were flushed with high pressure water jets to remove any sediments from the line. The sediment and water generated from the cleaning operation were captured in a vac-truck and transported off site for disposal.

6. SURFICIAL SOIL SAMPLING

As part of the Stormwater Assessment sampling program, SLR and IMACC conducted surficial soil sampling at select locations around the Site. Locations were selected to provide further understanding of the conditions of surficial soils at various areas around the Site which have the potential to contribute sediments to the Site stormwater system. Additional sampling locations were selected in order to determine if Site vehicle traffic was potentially transporting sediments from areas which do not currently contribute sediments to the stormwater system to areas with the potential to contribute. The selection of the additional sampling locations was based on the truck traffic patterns analysis provided in Section 2.6. The following section describes sampling activities and results. All surficial soil sampling locations are presented on Figure 5.

6.1 PRE-FIELD ACTIVITIES

The Oregon Utility Notification Center was notified 2 to 3 days prior to the commencement of both initial and secondary field activities in order to mark underground utilities.

A site -specific health and safety plan that promotes personnel safety and preparedness during the planned activities was developed and implemented prior to the commencement of field activities. On the morning of the day that the field activities were to commence, a “tailgate” safety meeting was conducted to discuss the health and safety issues and concerns related to the specific work.

6.2 INITIAL SURFICIAL SOIL SAMPLING EVENT

On June 9 and November 18, 2009, 22 soil samples were collected from depths of 0.5 fbg and 4 fbg, at eleven locations from un-paved areas near stormwater catch basins. Sample locations were chosen based on observed areas of off-site sheet flow which enter the stormwater system upgradient and within the boundaries of the Site.

Eighteen of the twenty-two (SB-1 through SB-8 and SB-11) soil samples were collected using a stainless steel hand auger and slide hammer. Four of the twenty-two (SB-9 and SB-10) soil samples were collected using a truck mounted direct push drill rig.

Soil samples were submitted to Columbia Analytical Services, a State-certified laboratory, for analysis. The selected samples were properly preserved and transported to the laboratory under appropriate chain-of-custody protocol.

All samples collected from 4 fbg were submitted to the laboratory and their analyses were “held” pending the results of the 0.5 fbg samples. If contaminants of interest were detected in the shallower samples above the JSCS SLVs, the deeper samples were then analyzed.

6.3 SECOND SURFICIAL SOIL SAMPLING EVENT

On November 27 and 28, 2012, 38 soil samples were collected from 19 locations at depths of 0.5 fbg and 1.5 fbg, to determine the potential extent of impacts to surficial soils in heavily trafficked areas and assess the possibility for truck traffic from the site to track potentially impacted surficial soils to the nearby streets. Soil samples were collected using a backhoe.

Soil samples were submitted to Test America, a State-certified laboratory, for analysis. The selected samples were properly preserved and transported to the laboratory under appropriate chain-of-custody protocol.

All samples collected from 1.5 fbg were submitted to the laboratory and their analyses were “held” pending the results of the 0.5 fbg samples. If contaminants of interest were detected in the shallower samples above the JSCS SLVs, the deeper samples were then analyzed.

6.4 SURFICIAL SOIL SAMPLING ANALYTICAL RESULTS

The laboratory analyzed the selected soil samples for the following constituents:

- Total metals (EPA 200.8/245.1/6020/7471A)
- Total petroleum hydrocarbons as gasoline (TPH-G) (method NWTPH-Dx)
- Total petroleum hydrocarbons as diesel (TPH-D) (method NWTPH-Dx)
- Heavy oil range hydrocarbons (TPH-MO) (method NWTPH-Dx)
- Volatile organic compounds (VOCs) (EPA Method 8260B)
- Semi-volatile organic compounds (SVOCs) (EPA Method 8270C)
- Polychlorinated biphenyls (PCBs) (EPA Method 8082)
- Polynuclear aromatic compounds (PAHs) (EPA Method 8270-SIM)
- Organochlorine Pesticides (EPA 8081A)

A summary of surficial soil analytical results are presented in Tables 2A through 2G. Official laboratory analytical reports, including chains-of-custody, are included in Appendix D.

Petroleum Hydrocarbons

No JSCS SLVs were established for Petroleum Hydrocarbons.

Metals

The following metals were detected above JSCS SLVs in surficial soil samples at various locations throughout the identified Site drainage basins: arsenic, cadmium, chromium, copper, lead mercury, manganese, nickel, and silver.

Metals analyses for deeper samples were not analyzed for lead in samples SB-1, SB-2, SB-3, SB-5, SB-7, and SB-8 despite levels which exceeded the JSCS SLVs.

SVOCs

Concentrations of the SVOCs phenol, hexachlorobenzene, pentachlorophenol, di-n-butyl phthalate, bis(2-ethylhexyl)phthalate were detected above screening criteria in a 14 of the 35 surficial soil samples analyzed from each of the identified Site drainage basins.

VOCs

Concentrations of VOCs were not detected above screening values in Site surficial soil samples.

PCBs

Concentrations of PCB Aroclor 1254 were detected above screening values in Site surficial soil samples from the SW-8 Drainage Basin (Samples SS-11, SS-12, and SS-13), Front Yard Drum Storage Drainage Basin (SS-3 and SS-6), the Soule Yard Drainage Basin (SS-8), and the Warehouse Drainage Basin (SS-15 and SS-19).

PAHs

Concentrations of the PAHs benzo(g,h,i)perylene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, and phenanthrene were detected above screening criteria in 8 of the 35 surficial soil samples analyzed from each of the identified Site drainage basins.

7. STORMWATER SAMPLING

7.1 STORMWATER ASSESSMENT SAMPLING

7.1.1 SAMPLING PROCEDURES

During the four stormwater sampling events, stormwater samples were collected from 2 of the 13 Site catch basins (SW-8 and SW-12) and from two on-site stormwater access vaults (SW-2 and SW-3).

Prior to the collection of grab stormwater samples, the following observations were noted on a stormwater Sample form:

- Description of weather.
- Time rainfall commenced.
- Time of first observed runoff.
- Visual sample observations (sheen, odor, e.g.).
- Field temperature, pH, and conductivity measurements.

Following completion of the field observations, grab stormwater samples were collected using the following procedures:

- The sample container was held with its opening facing upstream.
- Samples were collected where the water had moderate flow.
- Samples were collected from the central portion of the stormwater flow.

Stormwater samples from access vault SW-3 were collected from the central portion of the flow just prior to its exit through the 42-inch stormwater pipeline. This was to ensure that the sample included influent from SW-6, SW-5, and the southern portion of the Site.

After the samples were labeled and documented in the chain of custody record, they were placed in a cooler with ice.

7.1.2 FIRST SAMPLING EVENT

On November 8, 2010 the first stormwater sampling event was conducted. According to the hydrographs, the first sampling event was conducted during a storm which met the following DEQ criteria for a qualifying storm event:

- Antecedent dry period of at least 24 hours (as defined by <0.1 inch over the previous 24 hours)
- Minimum rainfall volume of >0.2-inches
- Duration of storm event at least 3 hours
- Samples were collected within 3 hours of the start of discharge

7.1.3 SECOND SAMPLING EVENT

On April 4, 2011 the second stormwater sampling event was conducted. According to the hydrographs, the second sampling event was conducted during a storm which met the following DEQ criteria for a qualifying storm event:

- Antecedent dry period of at least 24 hours (as defined by <0.1 inch over the previous 24 hours)
- Minimum rainfall volume of >0.2-inches
- Duration of storm event at least 3 hours

During the second sample event, stormwater samples were collected within five hours of the start of discharge. According to the *Stormwater Assessment Workplan*, "stormwater samples should be collected within three hours of the start of discharge, when practical." Due to the 4 a.m. start of the storm event, it was not practical for SLR or IMACC personnel to sample within the suggested 3 hour timeframe.

7.1.4 THIRD SAMPLING EVENT

On June 1, 2011 the third stormwater sampling event was conducted. According to the third sampling event hydrograph, sampling was conducted during a storm which met two of the three DEQ criteria for a qualifying storm event:

- Minimum rainfall volume of >0.2-inches
- Duration of storm event at least 3 hours

Additionally, stormwater samples were collected within 3 hours of the start of discharge. However, the third storm event did not meet the requirement for an antecedent dry period of at least 24 hours. Sampling was conducted on June 1, 2011 between the hours of 9 a.m. to 12 p.m. According to the rainfall data from that time period, approximately 0.08 inches of rainfall fell between the hours of 6 a.m. and 9 a.m. on May 31, 2011 and approximately 0.07 inches of rainfall fell between the hours of 12 a.m. and 5 a.m. on June 1, 2011. The results represent conditions similar to continuous stormwater discharge from the site.

7.1.5 FOURTH STORMWATER SAMPLING EVENT

On February 22, 2012 the fourth stormwater sampling event was conducted. According to the fourth sampling event hydrograph, sampling was conducted during a storm which met two of the three DEQ criteria for a qualifying storm event:

- Minimum rainfall volume of >0.2-inches
- Duration of storm event at least 3 hours

The third DEQ criterion for a qualifying storm event specifies an antecedent dry period of at least 24-hours. Sampling was conducted on February 22, 2012 between the hours of 9 a.m. to 1:30 p.m. According to the rainfall data from the previous 24 hours, approximately 0.04 inches of rainfall fell between the hours of 3 p.m. and 8 p.m. on February 21, 2012. We consider 0.04

inches to be a negligible amount of rainfall that would not impact the integrity of the antecedent requirement, as the previous rainfall amount likely did not result in surficial flow.

Review of laboratory qualifiers indicated that SW-8 Pesticide samples were improperly preserved. The laboratory provided containers contained HCL, which is a necessary preservative for the Northwest TPH-diesel analysis. However, containers with no preservation are preferred for the Pesticide analysis. After discussing the qualifier with laboratory personnel, they indicated that the HCL preservative present in the sample containers would not impact the detection of the pesticides in the water sample. Therefore, the data is deemed valid.

7.1.6 LABORATORY ANALYSIS

Site stormwater samples were submitted to State-certified laboratories for analysis. The first stormwater event samples were submitted to Columbia Analytical. Subsequent Site stormwater samples were submitted to Test America. The samples were properly preserved and transported to the laboratory under appropriate chain-of-custody protocol.⁴

The laboratory analyzed the stormwater samples for the following constituents:

- Total metals
- Total petroleum hydrocarbons as gasoline (NWTPH-G)
- Total petroleum hydrocarbons as diesel (NWTPH-D)
- Residual range petroleum hydrocarbons (NWTPH-RRO)
- Volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- Polychlorinated biphenyls (PCBs)
- Polynuclear aromatic compounds (PAHs)
- Organochlorine Pesticides
- Total Suspended Solids
- Total Organic Carbon

Data collected during stormwater assessment activities are evaluated by comparing constituent concentrations to the Joint Source Control Strategy Screening Level Values (JSCS SLVs) for Stormwater, Groundwater, and Surface Water.

A summary of stormwater analytical results are presented in Tables 3A through 3H. A hydrograph of each stormwater sampling event is presented in Graphs 1 through 4. A summary of CMS 1200Z stormwater analytical results are presented in Tables 4A through 4D.

Laboratory Detection Limits

Review of laboratory results show that some detection limits exceeded the listed JSCS SLVs criteria. However, the laboratory has indicated that obtaining detection limits less than the conservative JSCS SLVs may not be achievable in some analyses.

⁴ Samples collected during the first stormwater sampling event were sent to Columbia Analytical for analysis. Due to problems with the detection levels reporting, however, SES determined a change in laboratories was needed.

7.2 CMS NPDES STORMWATER SAMPLING

CMS performs stormwater sampling under their National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge permit No. 1200Z. Under the requirements of the permit CMS must sampling for the following constituents and frequency:

CONSTITUTENTS	FREQUENCY
Benchmarks in Schedule A.9, and any applicable sector specific benchmarks in Schedule E	Four times per year Two samples on or before Dec. 31 and two samples on or after Jan. 1.
Impairment Pollutants, if applicable	Two times per Year One sample on or before Dec. 31 and one sample on or after Jan. 1.
Numeric Effluent Limits Guidelines, if applicable	One time per Year, unless exceedance occurs
Mercury and PCBs	Four times over the first three years of permit coverage Two samples on or before Dec. 31 and two samples on or after Jan.1.
Cadmium, Chromium and Nickel	Eight times over the first three years of permit coverage Two samples on or before Dec. 31 and two samples on or after Jan. 1.

Samples are to be collected during the first 12 hours of the discharge event, which is a measureable storm event resulting in an actual discharge from a site. If it is deemed not practicable to collect the sample within that period, the samples are to be collected as soon as practicable.

Compliance with NPDES Permit sample frequency, discharge event sample times requirements, and NPDES discharge limits were not reviewed as part of this assessment.

Site NPDES sampling analytical results collected from the second half of the 2012, 2013, 2014, and the first part of 2015 were tabulated in Tables 4A through 4D and compared to JSCS SLVs.

7.3 DISCUSSION OF STORMWATER SAMPLING RESULTS

As stated in this report, results of previous sampling activities and continued Site observations have led to the development and refinement of several Site BMPs and improvements to the Site's stormwater collection system. Based on the results of recent stormwater sampling events conducted by CMS as part of their NPDES permit, these improvements and BMPs are likely having positive effects in limiting the migration of Site COCs from surrounding surficial soils.

Analytical results from stormwater assessment sampling events indicated the presence of elevated concentrations of the PCB Aroclors 1254 and 1260 and several PAHs in Site stormwater. However, subsequent stormwater sampling conducted by CMS has been non-detect for all PCB Aroclors and PAHs.

As additional BMPs and Site improvements are implemented and further refined, concentrations of COCs detected in Site stormwater should be expected to further decrease.

8. QUALITY ASSURANCE / QUALITY CONTROL SUMMARY

To provide quality assurance one duplicate sample was collected in the field per Appendix F of the Workplan; which required collection of a duplicate sample at a rate of five percent of the total number of samples (26 total samples) to be collected for the event. This number excludes quality control samples. The duplicate sample was then analyzed for the same suite of analyses as its corresponding sample and the results were compared for precision goals. Based on the calculated precision values between analytical results from duplicate sample DUP-1 and its corresponding sample SB-1, all data was deemed acceptable by SLR.

Laboratory quality control is included in the reports. Quality control includes verification of the chain of custody, sample packing, and temperature upon receipt. Reports were reviewed in the laboratory for non-conformances (including positive detects in method blanks, surrogate or spiked sample recoveries that are out of the accepted accuracy range, relative percent differences between spiked sample duplicates indicating unacceptable method precision). All data was deemed acceptable by the laboratory and further accepted by SLR.

9. CONCEPTUAL SITE MODEL

9.1 INTRODUCTION

This Conceptual Site Model (CSM) describes the relationship between the chemical sources and human receptors that may be exposed to chemical constituents originating from environmental media impacted by anthropogenic chemicals. The CSM integrates impacted environmental media, release mechanisms, retention and transport media, exposure points, and exposure routes to describe complete or potentially complete exposure pathways for potentially exposed populations.

The CSM was developed using information collected over the course of the Site's history. The model illustrates the potential sources of contamination, the potential release mechanisms, the potential migration pathways for impacted media, and the routes of exposure for potentially hazardous chemical compounds.

The transport mechanisms for the site includes, transport of adsorb phased chemicals via the overland flow of sediments via storm water; transport of surface contamination onsite and offsite via tracking and dissolved phase chemicals through groundwater.

9.2 CSM DEVELOPMENT

The CSM developed for the subject property evaluates those transport mechanisms that link the chemical sources and the types of releases with site activities and chemicals detected in surface soils, vs. those found in the catch basins and outfall 18 area.

9.2.1 CHEMICAL RELEASE AND TRANSPORT MECHANISMS

Soil, sediment, and groundwater can all serve as potential transport media for chemicals to migrate from the Site

There are a number of mechanisms by which chemicals are retained in environmental media or migrate from release points to other media and eventually to stormwater that leaves the site. The following discussion outlines fate and transport mechanisms that could affect chemical exposure at the Site, including the potential for the Site chemicals to migrate, persist, or be degraded in the environment.

9.2.2 MIGRATION OF SOIL

Migration of Site soils have been observed via the adherence to the tires of onsite vehicular traffic. Trucks traveling on and off site have the potential for transporting surficial soils to city streets. These soils can therefore, be washed into the municipal stormwater system during storm events.

9.2.3 MIGRATION FROM SOIL TO GROUNDWATER

Chemical migration from Site soils to groundwater can occur by the infiltration of rainwater and/or by downward migration of free-phase product driven by gravitation and capillary forces and/or migration of chemicals from soil to water due to changing groundwater elevation.

9.2.4 MIGRATION IN GROUNDWATER

Chemicals dissolved in groundwater can migrate off Site with groundwater flow. This migration can take the chemicals to a human receptor if the groundwater discharges into a surface water body or if it is extracted through a well.

9.2.5 MIGRATION OF SEDIMENTS

Chemicals adsorbed to sediments can migrate off Site via overland sheet flow during prolonged storm events and enter the city stormwater system. This migration can take the chemicals to a human receptor when the stormwater is ultimately discharged into a surface body of water.

9.3 EXPOSURE PATHWAYS EVALUATED

The following sections provide a description of potential exposure pathways for the affected media found at the Site to reach the receptors discussed in Section 8.4. Included in the evaluation is a determination whether or not the potential pathways were deemed complete, incomplete, or complete but insignificant.

9.3.1 SOIL PATHWAYS

This exposure pathway is considered complete. As stated above surficial soils have been identified as containing elevated concentrations of COIs in areas of onsite activities.

9.3.2 GROUNDWATER PATHWAYS

The extent of impacted groundwater under the Site has not been characterized.

During limited groundwater sampling associated with stormwater assessment activities total arsenic, total lead, mercury, chlordane, PCB Aroclor 1260, benzo(a)pyrene, and chlorobenzene were detected above MCLs. Based on the limited groundwater data available, the pathway for exposure to impacted groundwater is deemed complete.

9.3.3 SURFACE WATER PATHWAYS

Precipitation that falls within the site is discharged directly to the storm drain system and ultimately into the Willamette River via Outfall 18. Off-site receptors potentially could have

contact with surface water that originates at the subject property at this time. Thus, exposure to surface water is considered to be complete for off-site receptors.

10. DEVIATIONS

As conditions in the field varied, it became necessary to implement minor modifications to SLR's Stormwater Assessment Workplan. Additionally, exceedences in sampling holding times disallowed the analysis of some deeper samples. Variances to the approved Workplan included the following:

- As described in Section 8.2 of the Workplan, catch basin SW-7 was included in the sampling plan due to its position in the stormwater system and its connection to the catch basins located upgradient. It was thought that a representative sample from Drainage Basin B could be collected from this point. However, SW-7 was subsequently determined to not be connected to the other catch basins and consequently would not provide a representative sample. Additional reconnaissance determined that catch Basin SW-6 connected to the other onsite catch basins and was therefore substituted for SW-7 in the sampling plan.
- As described in Section 8.4 of the Workplan, all samples collected from the 4 fbg would be submitted to the laboratory and their analyses would be held pending the results of the 0.5 fbg samples. If contaminants of interest were detected in the shallower samples above the JSCS SLVs, the deeper samples were then to be analyzed. However, metals analyses were not run for samples SB-1, SB-2, SB-3, SB-5, SB-7, and SB-8 despite levels of lead which exceeded the JSCS SLVs. This variance from the Workplan was due to sample holding time exceedences.

11. FINDINGS AND RECOMMENDATIONS

Stormwater assessment activities results have indicated that the likely constituents of concern (COC) at the Site include PAHs, PCBs, pesticides, SVOCs, phthalates, and metals. However, several site improvements were implemented during the course of this investigation, altering the potential impacts of COCs on the identified stormwater drainage basins.

In conjunction with the stormwater assessment and sampling investigation, IMACC and CMS jointly evaluated and implemented several new or modified stormwater BMPs at the Site under the facility's industrial stormwater discharge permit (1200-Z). These stormwater control improvements were conducted during September and October 2010, to reduce or eliminate the potential migration of surface sediments into the stormwater collection pipelines and catch basin system at the Site.

Based on the results of stormwater assessment activities and the additional investigative and site improvement activities conducted in conjunction with the directed stormwater investigation; SLR has made the following observations for each of the defined stormwater basins:

Warehouse Drainage Basin

The area designated the Warehouse Drainage Basin incorporates the main Warehouse Building; catch basins SW-4, SW-9, SW-5, and SW-6; the western office parking area; the western loading dock area.

As stated in section 2.5, catch basin SW-10, and SW-11 are connected to the Site's wastewater treatment system. These catch basins are therefore considered part of the internal facility wastewater drainage and treatment system. Catch basin SW-9 has been removed from use.

The majority of stormwater from the warehouse is now routed to the City of Portland Stormwater system via various underground piping systems. However, the roof has been recently replaced with materials which have been shown to have no adverse effect on stormwater runoff.

Site improvements implemented as part of this investigation included installing stormwater measures around catch basin SW-5 and removing SW-6 from use which help prevent sediments from entering the system. Additionally, geotextile fabric was placed in the warehouse area yard, including around SW-5, to prevent transport of fine grained soils. The area was then backfilled with gravel and compacted.

Based on the implementation of site improvements, including the new warehouse roof and the clean gravel placed on soils around SW-5; SLR concludes that the potential for stormwater sediments transport of COCs emanating from the Warehouse Area Drainage Basin have been addressed and remedied to the extent feasible. SLR recommends that CMS inspect and maintain the gravel cap in the loading dock area and continue with current BMPs for the areas surrounding in-use catch basins SW-4 and SW-5.

Front Yard Drum Storage Drainage Basin

Sediment sampling results from MH-1, which provided an upgradient sediment sample, contained elevated concentrations of copper, lead, mercury, zinc, dieldrin, chlordane, 2,4'-DDT,

Indeno(1,2,3-cd)pyrene, benzo(g,h,i)perylene, and bis(2-ethylhexyl)phthalate above the JSCS SLVs. Elevated concentrations of lead, zinc, dieldrin, Indeno(1,2,3-cd)pyrene, and bis(2-ethylhexyl)phthalate, on the same order of magnitude, were also observed in sediment samples collected from access vault SW-3. As stated above, the configuration of the stormwater drainage system is such that stormwater and sediment enter the site from N.W. St. Helens Road through MH-1 and travel through the Site ultimately reaching access vault SW-3 prior to leaving the Site. Based on the observed concentrations of the above referenced constituents, there is a possibility that some of the COCs originated upgradient of the Site and were transported through the Site's stormwater system.

Surficial soil samples collected from various locations around the Front Yard Drum Storage Drainage Basin indicate the presence of PCBs, pesticides, metals, petroleum hydrocarbons, and PAHs.

During Stormwater sampling activities, samples were collected from catch basin SW-12 and access vault SW-2 to assess the potential COCs emanating from the Front Yard Drum Storage area. During the first stormwater sampling event elevated concentrations of PCBs, metals, pesticides, and PAHs, exceeding Site screening criteria, were detected in select samples from both upgradient and downgradient sampling locations. Following the first stormwater sampling event, several Site BMPs were implemented. Subsequent stormwater sampling events showed a marked decrease in the concentrations of COCs.

Soule Yard Drainage Basin

Surficial soil samples collected from the Soule Yard Drainage Basin indicated the presence of lead, mercury, DDD, DDE, DDT, chlordane, Aroclor 1254, and phthalates above screening criteria.

During the first stormwater sampling event, elevated concentrations of pesticides and metals were also detected in samples collected from SW-2, which is the central drainage catch basin in the Soule Yard. Following the first stormwater sampling event, the above listed BMPs were implemented at SW-2. Subsequent stormwater sampling events showed a marked decrease in the concentrations of COCs

SW-8 Drainage Basin

Surficial soil sampling results collected from the vicinity of catch basin SW-8 indicate the presence of metals, pesticides, PAHs, and PCBs above site screening criteria.

During each of the four stormwater sampling events, elevated concentrations of pesticides and metals were detected. Additionally, elevated concentrations of PCBs, PAHs, and heavy range petroleum hydrocarbons were detected during the fourth stormwater sampling event.

Summary of Conclusions

Results of the various site investigations indicate that COCs exist on site in surficial soils in the Front Yard Drum Storage Drainage Basin, the Soule Yard Drainage Basin and the SW-8 Drainage Basin. Although the implemented site improvements listed in the report have had a positive effect on limiting the transport of COCs to the Site stormwater system where

implemented; the potential for these impacted surficial soils to enter into the City of Portland stormwater system during future storm events remain. Consequently, SLR recommends that the Container Management Services Facility investigate implementing more stringent BMPs and also investigate possible remedial alternatives which would either demonstrate the site is not adversely affecting human health and the environment and/or prevent the further migration of COCs into the City of Portland stormwater system.

Even though it appears that Site Improvements have had some positive effect in limiting the migration of Site COCs from surrounding surficial soils, SLR recommends a Feasibility Study, which proposes several remedial alternatives and evaluates their potential in regards to their long and short term effectiveness, implementability, and cost; be conducted for the Site.

12. REFERENCES

- Strategic Engineering and Science. Stormwater Assessment Workplan, February 20, 2008. Prepared for IMACC Corporation.
- Department of Environmental Quality, Northwest Region. DEQ Comments to March 12, 2008 Draft Stormwater Assessment Workplan for the Container Management Services Site at 3000 N.W. Saint Helens Road Portland, Oregon ECSI #4784.
- Strategic Engineering and Science. Stormwater Assessment Workplan, September 12, 2008. Prepared for IMACC Corporation.
- Strategic Engineering and Science. Stormwater Assessment Workplan, January 30, 2009. Prepared for IMACC Corporation.
- Strategic Engineering and Science. Response to DEQ Comments to January 30, 2009. June 18, 2009. Prepared for the Department of Environmental Quality Northwest Region, Portland.
- Department of Environmental Quality, Northwest Region. DEQ Comments for Fourth Quarter 2010 Status Update for the Container Management Services at 3000 N.W. Saint Helens Road Portland, OR ECSI #4784, July 25, 2011. Prepared for Strategic Engineering and Science.
- Strategic Engineering and Science. Sediment and Soil Sampling Data Tables, October 12, 2011. Prepared for the Department of Environmental Quality Northwest Region, Portland.
- Strategic Engineering and Science. Soil Excavation Report – Loading Dock Area, January 17, 2012. Prepared for the Department of Environmental Quality Northwest Region, Portland.
- Department of Environmental Quality, Northwest Region. DEQ Comments for Notice of Intent to Close Underground Injection Control System/Proposed Closure Plan for Manhole #2 and Pipe Junction Investigation March 30, 2012 (UIC Closure Plan) Container Management Services Site at 3000 N.W Saint Helens Road Portland, OR ECSI #4784, April 11, 2012. Prepared for Strategic Engineering and Sciences.
- Strategic Engineering and Science. Notice of Intent to Close Underground Injection Control System/Proposed Closure Plan for Manhole #2, and Pipe Junction Investigation, March 30, 2012. Prepared for the Department of Environmental Quality Northwest Region, Portland.
- Strategic Engineering and Science. Surficial Soil Sampling Workplan, April 6, 2012. Prepared for IMACC Corporation.

Strategic Engineering and Science. Closure Report for Pipe Junction 2, August 23, 2012.
Prepared for the Department of Environmental Quality Northwest Region, Portland.

13. LIMITATIONS

The services described in this work product were performed in accordance with generally accepted professional consulting principles and practices. No other representations or warranties, expressed or implied, are made. These services were performed consistent with our agreement with our client. This work product is intended solely for the use and information of our client unless otherwise noted. Any reliance on this work product by a third party is at such party's sole risk.

Opinions and recommendations contained in this work product are based on conditions that existed at the time the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this work product.

Environmental conditions that are not apparent may exist at the site. Our professional opinions are based in part on interpretation of available data and therefore may not be representative of the actual overall site environmental conditions.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the site, analysis of the data, and/or reevaluation of the findings, observations, and conclusions in the work product.

This work product presents professional opinions and findings of a scientific and technical nature. The work product shall not be construed to offer legal opinion or representations as to the requirements of, nor the compliance with, environmental laws rules, regulations, or policies of federal, state or local governmental agencies.

FIGURES

Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon

June 2015

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REFERENCED FROM : GOOOGLE EARTH PRO

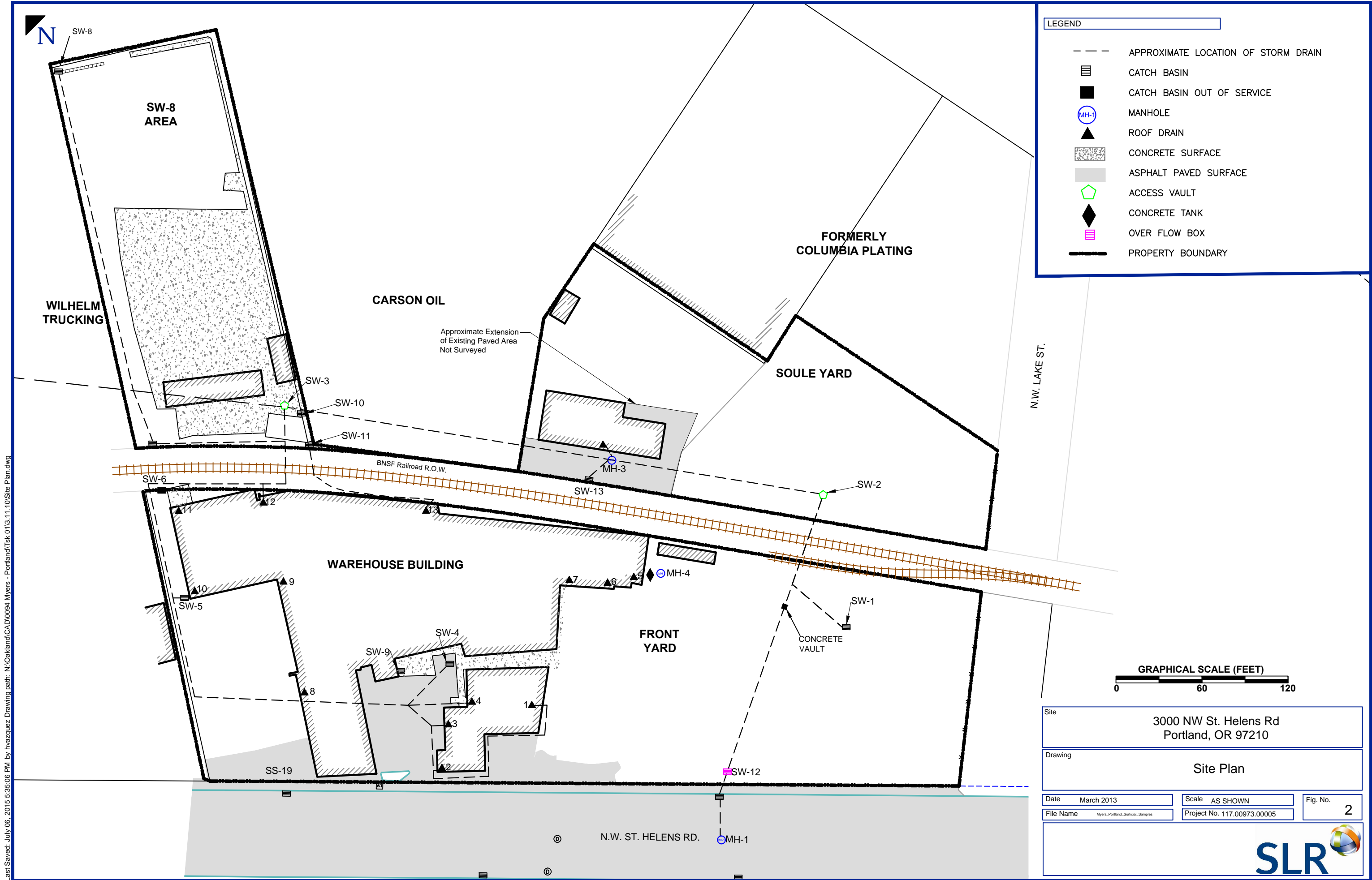


THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

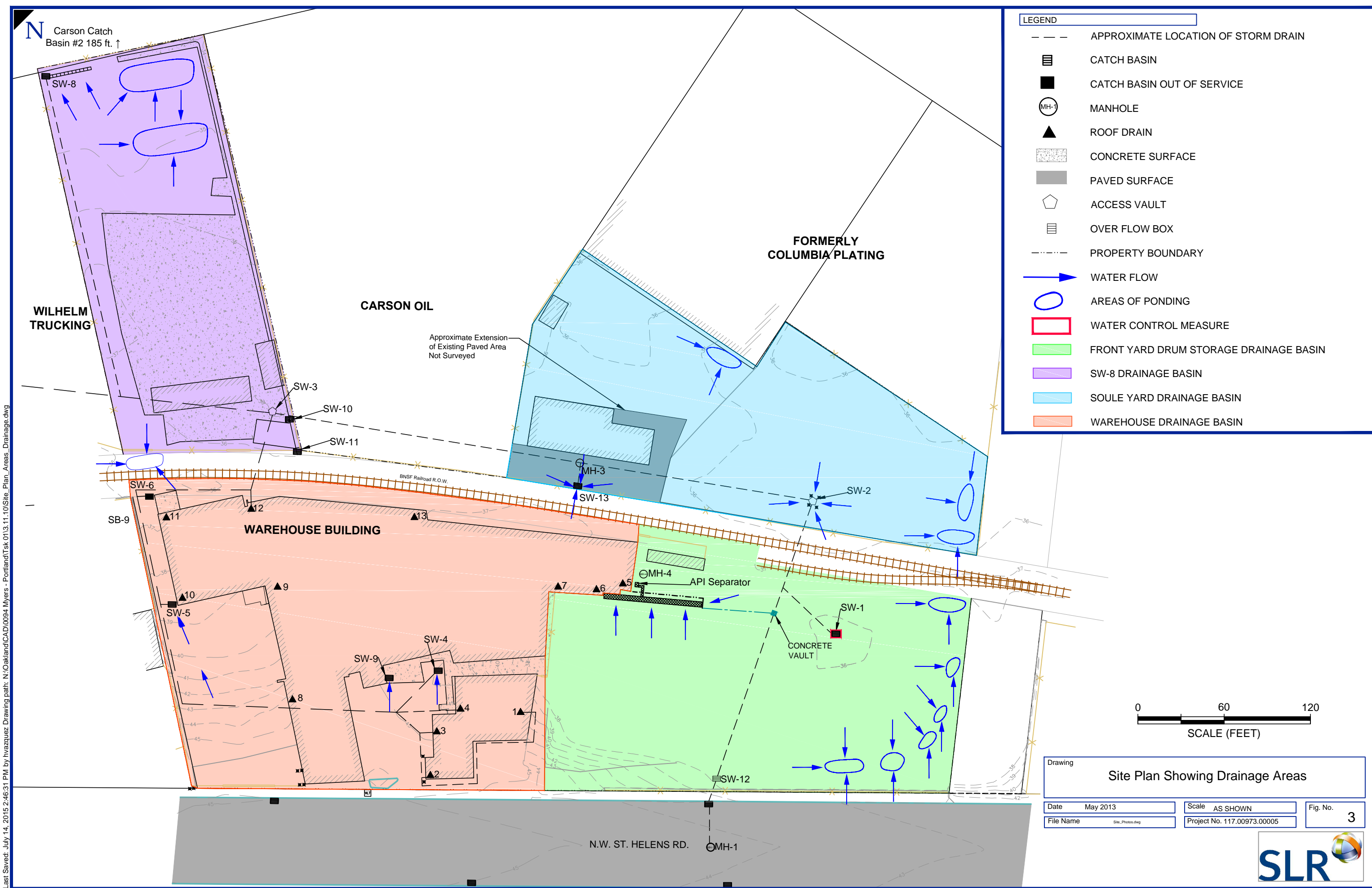


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Date	May 29, 2015	Scale	AS SHOWN
File Name	Vicinity_Map	Project No.	102.01276.00001
			Fig. No. 1

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LEGEND

APPROXIMATE LOCATION OF STORM DRAIN

▢

CATCH BASIN

■

CATCH BASIN OUT OF SERVICE

⊙

MANHOLE

▲

ROOF DRAIN

▨

CONCRETE SURFACE

▩

PAVED SURFACE

⬡

ACCESS VAULT

▤

OVER FLOW BOX

PROPERTY BOUNDARY

→

WATER FLOW

○

AREAS OF PONDING

▭

WATER CONTROL MEASURE

■

FRONT YARD DRUM STORAGE DRAINAGE BASIN

■

SW-8 DRAINAGE BASIN

■

SOULE YARD DRAINAGE BASIN

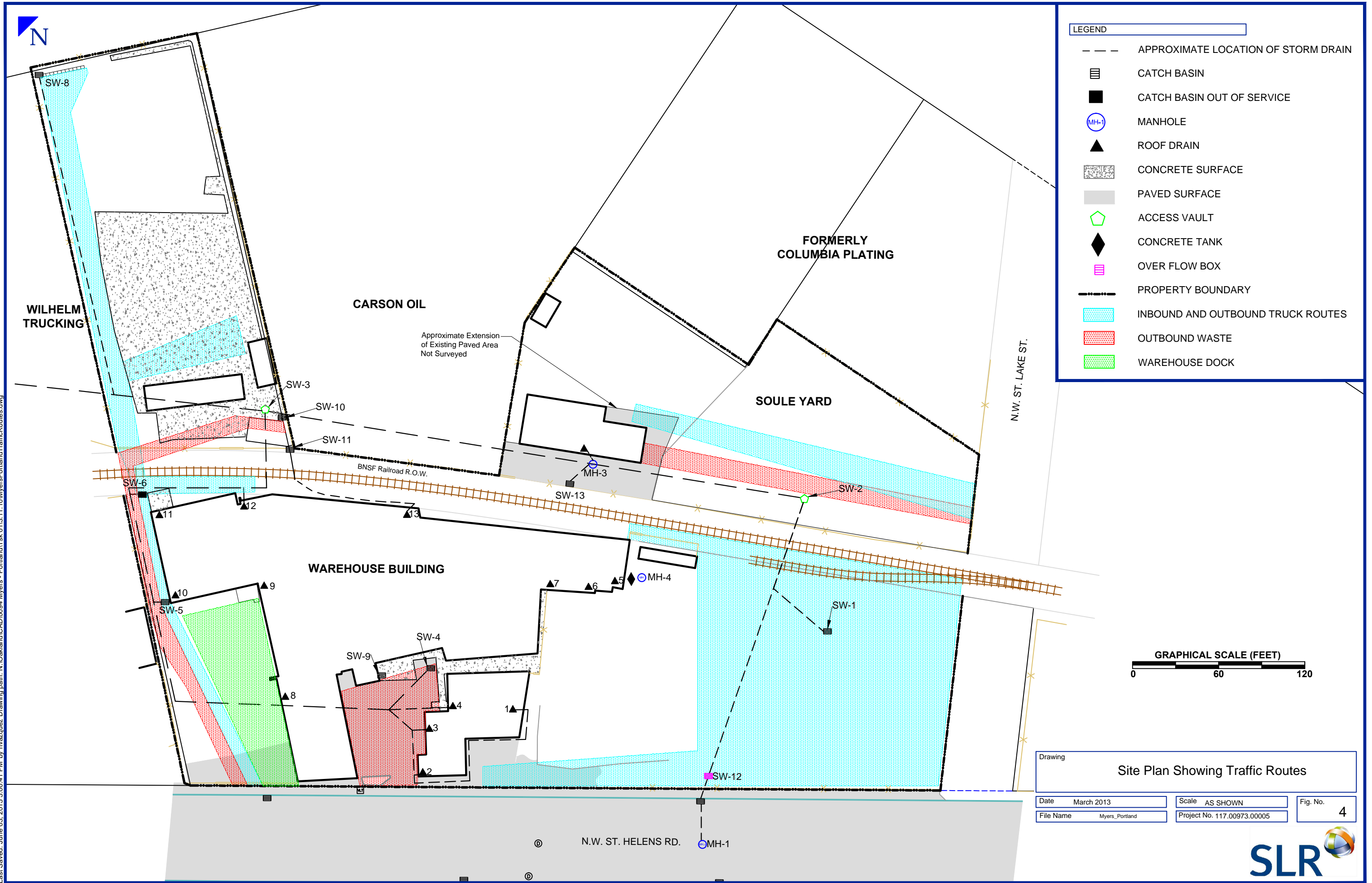
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WAREHOUSE DRAINAGE BASIN

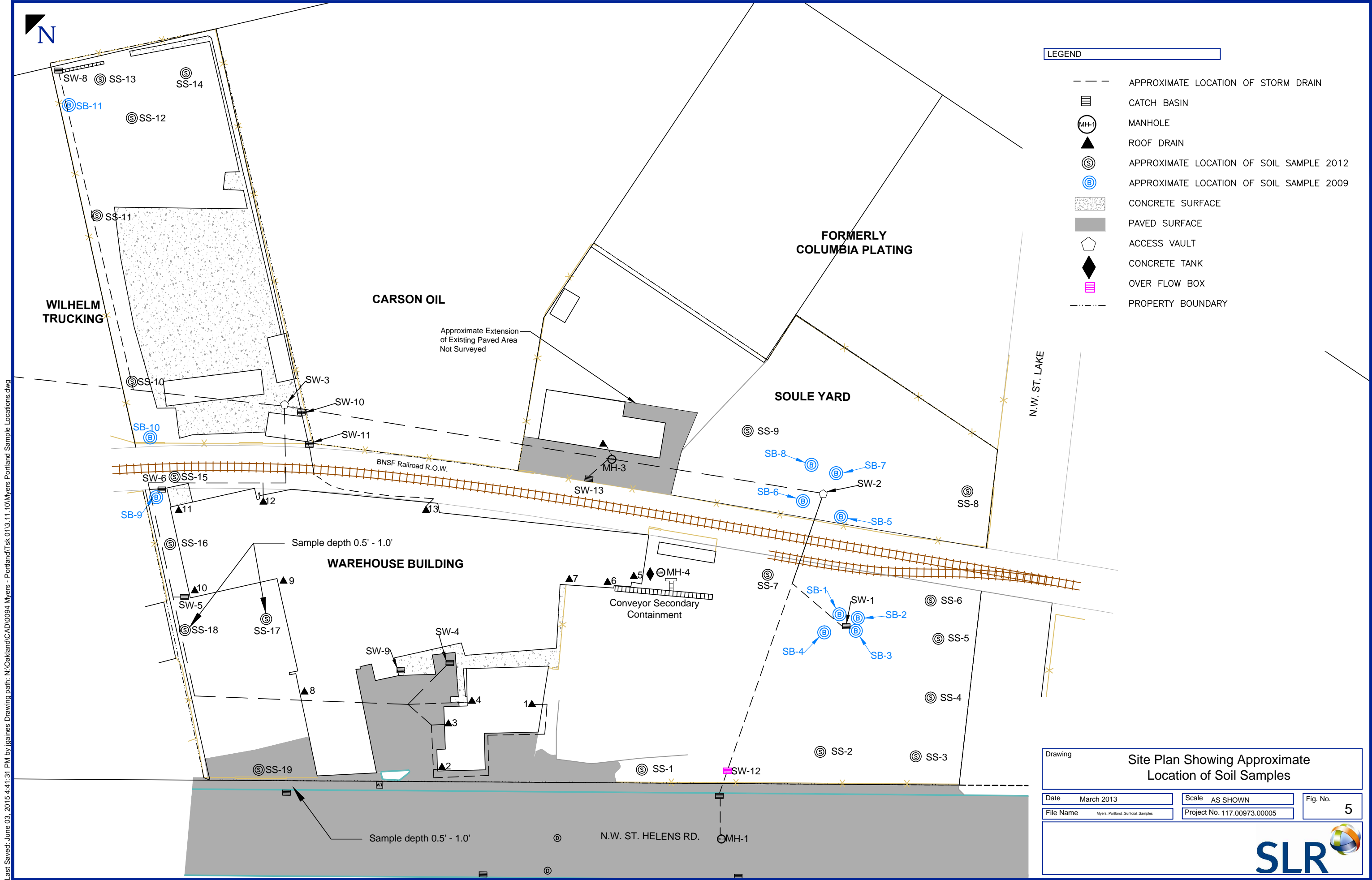
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Fig. No.			3



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TABLES

Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon

June 2015

TABLE 1A - PETROLEUM HYDROCARBONS

Sediment Sampling Analytical Results

Container Management Site

Portland, Oregon

Sample ID	Date	Analyte (mg/kg)			
		TPH-G	DRO - silica gel treated	RRO - silica gel treated	TOC
MH-1	11/17/09	ND<11	270	2,000	7.66
SW-3	11/17/09	12	380	1,600	0.994
SW-6	11/17/09	32	560	2,600	4.76
SW-8	11/17/09	12	3,300	16,000	5.02

JSCS SLVs	NE	NE	NE	NE
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NOTES: ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy Soil/Sediment
screening level values
TOC = Total Organic Carbon
TPH-G = Total petroleum hydrocarbons as gasoline
DRO = Diesel Range Organics
RRO = Residual Range Organics
mg/kg = milligrams per kilogram
NE = not established

TABLE 1B - TOTAL METALS
Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

Sample ID	Date	Analyte (mg/kg)												
		Al	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Se	Ag	Zn
MH-1	11/17/09	8,220	2.270	3.54	1.690	69.8	151	223	776	0.150	47.3	0.4	0.995	639
SW-3	11/17/09	7,190	3.210	2.40	1.050	85.0	133	161	736	1.260	39.5	0.3	1.040	512
SW-6	11/17/09	4,180	6.620	2.26	1.060	78.2	188	286	572	0.405	49.0	0.4	1.250	870
SW-8	11/17/09	4,840	3.240	3.47	3.450	67.6	163	215	239	1.790	23.9	0.3	5.130	964
JSCS SLVs		NE	64	7.0	1.0	111	149	17	1,100	0.070	48.6	2.0	5.0	459

NOTES:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established
- Mn = manganese
- Ni = nickel
- Se = selenium
- Ag = silver
- Al = Aluminum
- Zn = zinc
- Hg = mercury
- Sb = Antimony
- As = Arsenic
- Cd = Cadmium
- Cr = Chromium
- Cu = copper
- Pb = lead

TABLE 1C - VOLATILE ORGANIC COMPOUNDS

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																		
Sample ID	Date	Acrolein	Iodometha ne	MTBE	Acrylonitri le	trans-1,4- Dichloro-2- butene	Dichlorodi fluorometh ane	Chlorometha ne	VC	Bromomet hane	Chloroethan e	Trichloroffluo romethane	Acetone	Carbon Disulfide	Methylene Chloride	trans - 1,2- DCE	1,1 - DCA	2- Butanone	cis-1,2 - DCE	Chloroform
MH-1	11/17/09	0.010	0.0057	ND<0.0057	ND<0.023	ND<0.023	0.00041	0.00070	ND<0.0057	0.0014	ND<0.0057	ND<0.0057	0.23	ND<0.0057	0.00059	ND<0.0057	ND<0.0057	0.033	ND<0.0057	ND<0.0057
SW-3	11/17/09	ND<2.0	ND<0.50	ND<0.050	ND<2.0	ND<1.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	0.28	ND<0.050	0.030	ND<0.050	ND<0.050	ND<2.0	ND<0.050	ND<0.050
SW-6	11/17/09	ND<0.13	ND<0.026	ND<0.0064	ND<0.026	ND<0.026	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.0064	0.077	0.0051	ND<0.013	ND<0.0064	ND<0.0064	0.021	ND<0.0064	ND<0.0064
SW-8	11/17/09	0.0029	ND<0.013	ND<0.0032	ND<0.013	ND<0.013	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	0.046	0.0011	ND<0.0064	ND<0.0032	ND<0.0032	0.016	ND<0.0032	ND<0.0032
JSCS SLVs		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Notes:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established
- VOCs = volatile organic compounds
- CT = Carbon Tetrachloride
- DCA = Dichloroethane
- DCE = Dichloroethene
- DIPE = Di-Isopropyl ether
- DPA = Dichloropropane
- DPE = Dichloropropene
- ETBE = Ethyl tert-Butyl Ether
- VC = Vinyl chloride
- MTBE = Methyl Tert Butyl Ether
- PCA = Tetrachloroethane
- PCE = Tetrachloroethylene
- TAME = Tert-Amyl Methyl Ether
- TBA = Tert Butyl Alcohol
- TCA = Trichloroethane
- TCE = Trichloroethylene

TABLE 1C - VOLATILE ORGANIC COMPOUNDS

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																	
Sample ID	Date	Bromochloromethane	1,1,1-Trichloroethane	CT	1,2-DCA	Benzene	TCE	1,2-DPA	Bromodichloromethane	Dibromomethane	2-Hexanone	cis-1,3-DPE	Toluene	trans-1,3-DPE	1,1,2-Trichloroethane	4-Methyl-2-pentanone	PCE	Dibromochloromethane	1,2-Dibromoethane
MH-1	11/17/09	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	0.00043	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	0.0016	ND<0.0057	0.00033	ND<0.0057	ND<0.0057	ND<0.025	ND<0.0057	ND<0.0057	ND<0.023
SW-3	11/17/09	ND<0.050	ND<0.050	ND<0.050	ND<0.050	0.0069	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<2.0	ND<0.050	0.012	ND<0.050	ND<0.050	ND<2.0	ND<0.050	ND<0.050	ND<0.20
SW-6	11/17/09	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.0064	0.0019	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.0064	ND<0.026	ND<0.0064	0.0011	ND<0.0064	ND<0.0064	ND<0.026	ND<0.0064	ND<0.0064	ND<0.026
SW-8	11/17/09	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	0.00081	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.013	ND<0.0032	0.0062	ND<0.0032	ND<0.0032	ND<0.013	ND<0.0032	ND<0.0032	ND<0.013
JSCS SLVs		NE	NE	NE	NE	NE	2.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.5	NE	NE

Notes:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established
- VOCs = volatile organic compounds
- CT = Carbon Tetrachloride
- DCA = Dichloroethane
- DCE = Dichloroethene
- DIPE = Di-Isopropyl ether
- DPA = Dichloropropane
- DPE = Dichloropropene
- ETBE = Ethyl tert-Butyl Ether
- VC = Vinyl chloride
- MTBE = Methyl Tert Butyl Ether
- PCA = Tetrachloroethane
- PCE = Tetrachloroethylene
- TAME = Tert-Amyl Methyl Ether
- TBA = Tert Butyl Alcohol
- TCA = Trichloroethane
- TCE = Trichloroethylene

TABLE 1C - VOLATILE ORGANIC COMPOUNDS

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)											
Sample ID	Date	Chlorobenzene	1,1,1,2-Tetrachloroethane	Ethylbenzene	m,p-Xylenes	o-Xylenes	Styrene	Bromoform	Isopropylbenzene	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	Vinyl Acetate	2-Chloroethyl Vinyl Ether
MH-1	11/17/09	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.023	ND<0.0057	ND<0.0057	ND<0.023	ND<0.012
SW-3	11/17/09	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.20	ND<0.050	ND<0.050	ND<0.50	ND<0.50
SW-6	11/17/09	ND<0.0064	ND<0.0064	ND<0.0064	0.00061	0.00052	ND<0.0064	ND<0.0064	0.00020	ND<0.0064	ND<0.0064	ND<0.026	ND<0.013
SW-8	11/17/09	ND<0.0032	ND<0.0032	0.0045	0.0034	0.0019	0.0011	ND<0.0032	ND<0.013	ND<0.0032	ND<0.0032	ND<0.013	ND<0.0064
JSCS SLVs		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Notes:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established
- VOCs = volatile organic compounds
- CT = Carbon Tetrachloride
- DCA = Dichloroethane
- DCE = Dichloroethene
- DIPE = Di-Isopropyl ether
- DPA = Dichloropropane
- DPE = Dichloropropene
- ETBE = Ethyl tert-Butyl Ether
- VC = Vinyl chloride
- MTBE = Methyl Tert Butyl Ether
- PCA = Tetrachloroethane
- PCE = Tetrachloroethylene
- TAME = Tert-Amyl Methyl Ether
- TBA = Tert Butyl Alcohol
- TCA = Trichloroethane
- TCE = Trichloroethylene

TABLE 1D - SEMI-VOLATILE ORGANIC COMPOUNDS

Sediment Sampliing Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																	
Sample ID	Date	Bis(2-chloroethyl) Ether	Phenol	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	Benzyl Alcohol	Bis(2-chloroisopropyl)Ether	2-Methylphenol	Hexachloroethane	N-Nitrosodimethylpropylamine	4-Methylphenol	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Bis(2-chloroethoxy)methane	2,4-Dichlorophenol
MH-1	11/17/09	ND<0.086	ND<0.090	ND<0.090	ND<0.14	ND<0.14	ND<0.14	ND<0.095	ND<0.12	ND<0.068	ND<0.14	ND<0.11	ND<0.068	ND<0.099	ND<0.045	ND<0.068	ND<0.25	ND<0.068	ND<0.045
SW-3	11/17/09	ND<0.019	0.097	ND<0.020	ND<0.030	ND<0.029	ND<0.029	ND<0.021	ND<0.026	ND<0.015	ND<0.031	ND<0.024	0.023	ND<0.022	ND<0.010	ND<0.015	ND<0.055	ND<0.015	ND<0.010
SW-6	11/17/09	ND<0.11	0.45	ND<0.12	ND<0.17	ND<0.17	ND<0.17	ND<0.12	ND<0.15	ND<0.085	ND<0.18	ND<0.14	0.62	ND<0.13	ND<0.057	ND<0.085	ND<0.31	ND<0.085	ND<0.057
SW-8	11/17/09	ND<0.21	ND<0.22	ND<0.22	ND<0.33	ND<0.32	ND<0.32	ND<0.23	ND<0.29	ND<0.17	ND<0.34	ND<0.27	ND<0.17	ND<0.24	ND<0.11	ND<0.17	ND<0.60	ND<0.17	ND<0.11

JSCS SLVs	NE	0.050	NE	0.3	0.3	1,700	NE	NE	0.2	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
-----------	----	-------	----	-----	-----	-------	----	----	-----	----	----	----	----	----	----	----	----	----	----

NOTES:

- SVOCs = semivolatilve organic compounds
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established

TABLE 1D - SEMI-VOLATILE ORGANIC COMPOUNDS

Sediment Sampliing Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																	
Sample ID	Date	Benzoic Acid	1,2,4-Trichlorobenzene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethyl Phthalate	2,6-Dinitrotoluene	3-Nitroaniline	2,4-Dinitrophenol	Dibenzofuran	4-Nitrophenol	2,4-Dinitrotoluene	4-Chlorophenyl Phenyl Ether
MH-1	11/17/09	ND<4.4	ND<0.12	ND<0.086	ND<0.12	ND<0.063	ND<1.4	ND<0.063	ND<0.068	ND<0.072	ND<0.15	0.063	ND<0.090	ND<0.12	ND<0.77	0.060	ND<0.81	ND<0.068	ND<0.063
SW-3	11/17/09	ND<0.96	ND<0.026	ND<0.019	ND<0.025	ND<0.014	ND<0.29	ND<0.014	ND<0.015	ND<0.016	ND<0.032	0.027	ND<0.020	ND<0.025	ND<0.17	0.059	ND<0.18	ND<0.015	ND<0.014
SW-6	11/17/09	ND<5.4	ND<0.15	ND<0.11	ND<0.15	ND<0.079	ND<1.7	ND<0.079	ND<0.085	ND<0.090	ND<0.18	0.13	ND<0.12	ND<0.15	ND<0.96	ND<0.068	ND<1.1	ND<0.085	ND<0.079
SW-8	11/17/09	ND<11	ND<0.29	ND<0.21	ND<0.28	ND<0.16	ND<3.2	ND<0.16	ND<0.17	ND<0.18	ND<0.35	0.61	ND<0.22	ND<0.28	ND<1.9	ND<0.14	ND<2.0	ND<0.17	ND<0.16

JSCS SLVs	NE	9.2	NE	0.6	NE	0.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
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NOTES:

- SVOCs = semivolatilve organic compounds
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established

TABLE 1D - SEMI-VOLATILE ORGANIC COMPOUNDS

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)												
Sample ID	Date	Diethyl Phthalate	4-Nitroaniline	2-Methyl-4,6-dinitrophenol	N-Nitrosodiphenylamine	4-Bromophenyl Phenyl Ether	Hexachlorobenzene	Pentachlorophenol	Di-n-butyl Phthalate	Butyl Benzyl Phthalate	Dichlorobenzidine	Bis(2-ethylhexyl) Phthalate	Di-n-octyl Phthalate	
MH-1	11/17/09	ND<0.059	ND<0.90	ND<0.063	ND<0.072	ND<0.072	ND<0.054	ND<0.90	ND<0.36	0.57	ND<0.17	7.7	ND<0.077	
SW-3	11/17/09	ND<0.013	ND<0.018	ND<0.014	ND<0.016	ND<0.016	ND<0.012	ND<0.20	ND<0.079	1.4	ND<0.037	2.2	ND<0.017	
SW-6	11/17/09	ND<0.074	ND<0.11	ND<0.079	ND<0.090	ND<0.090	ND<0.068	ND<1.2	ND<0.45	15.0	ND<0.21	33.0	ND<0.096	
SW-8	11/17/09	ND<0.15	ND<0.20	ND<0.16	ND<0.18	ND<0.18	ND<0.14	ND<2.2	ND<0.87	4.8	ND<0.41	130	ND<0.19	
JSCS SLVs		0.6	NE	NE	NE	NE	0.019	0.25	0.060	NE	NE	0.33	NE	

NOTES:

- SVOCs = semivolatilve organic compounds
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established

TABLE 1E - ORGANOCHLORINE PESTICIDES

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																		
Sample	Date	alpha-BHC	beta-BHC	gamma-BHC	delta-BHC	Heptachlor	Aldrin	Heptachlor epoxide	Endosulfan I	Dieldrin	4,4'-DDE	Endrin	Endosulfan - II	4,4'-DDD	Endrin aldehyde	Endosulfan sulfate	4,4'-DDT	Endrin Ketone	Methoxychlor	Toxaphene
MH-1	11/17/09	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	0.043	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009	ND<0.009
SW-3	11/17/09	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	0.021	0.020	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.029	ND<0.014	ND<0.014	ND<0.68
SW-6	11/17/09	ND<0.045	ND<0.045	ND<0.045	ND<0.045	ND<0.045	ND<0.045	ND<0.045	ND<0.045	0.053	0.084	ND<0.045	ND<0.045	0.13	ND<0.045	ND<0.045	ND<0.085	ND<0.045	ND<0.045	ND<3.2
SW-8	11/17/09	ND<0.018	ND<0.020	ND<0.018	ND<0.018	ND<0.018	ND<0.018	ND<0.018	ND<0.036	0.076	0.052	ND<0.018	ND<0.021	0.11	ND<0.018	0.049	ND<0.027	ND<0.018	ND<0.018	ND<1.9
JSCS SLVs		NE	NE	0.00499	NE	0.01	0.040	0.016	NE	0.0000081	0.00033	0.207	NE	0.00033	NE	NE	0.00033	NE	NE	NE

NOTES:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established

TABLE 1E - ORGANOCHLORINE PESTICIDES
Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)						
Sample	Date	Chlordane	Oxychlordane	cis-Nanochlor	trans-Nanochlor	2,4'-DDE	2,4'-DDD	2,4'-DDT
MH-1	11/17/09	0.14	ND<0.009	ND<0.009	0.0095	ND<0.009	ND<0.009	0.01
SW-3	11/17/09	0.18	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014	ND<0.014
SW-6	11/17/09	0.89	ND<0.045	ND<0.045	0.052	ND<0.045	0.11	0.053
SW-8	11/17/09	5.3	ND<0.018	0.094	0.27	ND<0.022	0.066	ND<0.031
JSCS SLVs		0.00037	NE	NE	NE	NE	NE	NE

NOTES:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- NE = not established

TABLE 1F - POLYCHLORINATED BIPHENYLS

Sediment Sampling Analytical Results

Container Management Site

Portland, Oregon

Sample ID	Date	Analytes (mg/kg)									
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total Aroclors
MH-1	11/17/09	ND<0.018	ND<0.036	ND<0.018	ND<0.018	ND<0.018	0.067	0.074	ND<0.018	ND<0.018	
SW-3	11/17/09	ND<0.0068	ND<0.014	ND<0.0068	ND<0.0068	ND<0.0068	0.087	0.072	ND<0.0068	ND<0.0068	
SW-6	11/17/09	ND<0.023	ND<0.045	ND<0.023	ND<0.023	ND<0.023	0.64	0.25	ND<0.023	ND<0.023	
SW-8	11/17/09	ND<0.18	ND<0.35	ND<0.18	ND<0.18	ND<0.18	1.2	ND<0.18	ND<0.18	ND<0.18	
JSCS SLVs		0.53	NE	NE	NE	1.5	0.3	0.2	NE	NE	0.00039

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values

NE = not established

mg/kg = milligrams per kilogram (ppb)

TABLE 1G - POLYNUCLEAR AROMATIC HYDROCARBONS

Sediment Sampling Analytical Results
Container Management Site
Portland, Oregon

		Analytes (mg/kg)																
Sample ID	Date	Acenaphthyl ene	Acenaphthe ne	Anthracene	Benzo(a)a nthracene	Benzo(a) pyrene	Benzo(b)flu oranthene	Benzo(g,h,i)p erylene	Benzo(k)fluo ranthene	Chrysene	Dibenz(a,h)a nthracene	Fluoranthene	Fluorene	Indeno(1,2,3- cd)pyrene	2- Methylnap hthalene	Naphthalene	Phenanthr ene	Pyrene
MH-1	11/17/09	ND<0.054	0.088	0.19	0.53	0.57	0.86	0.61	0.31	0.61	0.13	1.1	0.079	0.53	ND<0.099	0.11	0.76	1.1
SW-3	11/17/09	0.063	0.13	0.25	0.40	0.41	0.45	0.29	0.17	0.43	0.067	1.2	0.16	0.31	ND<0.068	0.048	1.1	1.1
SW-6	11/17/09	ND<0.068	ND<0.079	0.18	0.21	0.26	0.38	0.25	0.13	0.24	ND<0.085	0.61	ND<0.062	0.20	ND<0.13	0.42	0.34	0.59
SW-8	11/17/09	ND<0.14	ND<0.16	ND<0.18	0.24	0.26	0.46	0.43	ND<0.16	0.26	ND<0.17	0.63	ND<0.12	0.39	ND<0.24	ND<0.26	0.31	0.62
JSCS SLVs		0.2	0.3	0.845	1.05	1.45	NE	0.3	13.0	1.29	1.3	2.23	0.536	0.1	0.2	0.561	1.17	1.52

NOTES:

- PAHs = polynuclear aromatic hydrocarbons
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values
- mg/kg = milligrams per kilogram
- fbg = feet below ground surface
- NE = not established

TABLE 2A - PETROLEUM HYDROCARBONS

Surficial Soil Sampling Analytical Results

Myers Container

Portland, Oregon

Sample ID	Date	Sample Depth	Analyte (mg/kg)				
			TPH-G	DRO	DRO - silica gel treated	RRO	RRO - silica gel treated
SB-1	06/10/09	0 - 0.5	ND<5.4	320	300	1,300	1,100
DUP-1	06/10/09	0 - 0.5	ND<5.4	290	270	1,100	960
SB-2	06/10/09	0 - 0.5	320	5,400	5,500	18,000	18,000
SB-3	06/10/09	0 - 0.5	430	4,600	5,000	11,000	12,000
SB-4	06/10/09	0 - 0.5	61	4,300	3,900	10,000	9,100
SB-5	06/10/09	0 - 0.5	3.0	22	19	130	110
SB-6	06/10/09	0 - 0.5	2.1	20	18	110	96
SB-7	06/10/09	0 - 0.5	1.7	38	37	160	150
SB-8	06/10/09	0 - 0.5	ND<5.3	49	50	250	230
SB-9	11/18/09	0 - 0.5	ND<5.9	-	7.1	-	24
SB-10	11/18/09	0 - 0.5	ND<5.3	-	99	-	430
SB-10	11/18/09	3.5 - 4.0	-	-	4.7	-	13
SB-11	06/10/09	0 - 0.5	ND<5.5	30	26	62	47
SS-1	11/27/12	0 - 0.5	ND<4.5	410	-	790	-
SS-2	11/27/12	0 - 0.5	ND<4.2	1,100	-	4,200	-
SS-3	11/27/12	0 - 0.5	ND<4.4	240	-	1,000	-
SS-4	11/27/12	0 - 0.5	ND<4.4	31	-	230	-
SS-5	11/27/12	0 - 0.5	ND<4.4	17	-	74	-
SS-6	11/27/12	0 - 0.5	ND<4.5	140	-	330	-
SS-7	11/27/12	0 - 0.5	ND<4.5	14	-	51	-
SS-8	11/27/12	0 - 0.5	ND<4.4	20	-	89	-
SS-9	11/27/12	0 - 0.5	ND<4.5	36	-	150	-
SS-10	11/27/12	0 - 0.5	ND<4.4	24	-	100	-
SS-11	11/27/12	0 - 0.5	ND<4.4	83	-	290	-
SS-12	11/28/12	0 - 0.5	24	280 B	-	1,000	-
SS-13	11/28/12	0 - 0.5	ND<4.9	290 B	-	620	-
SS-14	11/28/12	0 - 0.5	ND<4.7	76 B	-	500	-
SS-15	11/27/12	0 - 0.5	ND<4.3	80	-	330	-
SS-16	11/27/12	0 - 0.5	ND<4.6	22	-	85	-
SS-17	11/27/12	0.5 - 1.0	ND<4.4	85	-	870	-
SS-18	11/27/12	0.5 - 1.0	ND<4.4	18	-	120	-
SS-19	11/27/12	0.5 - 1.0	ND<4.3	41	-	190	-

JSCS SLVs	NE	NE	NE	NE	NE
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NOTES:

ND<5 = not detected at or above stated laboratory detection limit
TPH-G = Total petroleum hydrocarbons as gasoline
DRO = Diesel Range Organics
RRO = Residual Range Organics
mg/kg = milligrams per kilogram
NE = not established
B = Compound was found in the blank and sample.

* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

TABLE 2B - METALS
Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analyte (mg/kg)												
Sample ID	Date	Sample Depth	Al	Sb	As	Cd	Cr	Cu	Pb	Hg	Mn	Ni	Se	Ag	Zn
SB-1	06/10/09	0 - 0.5	9,160	0.37	1.73	0.115	11.8	18.0	28.1	0.024	252	11.7	0.2	0.049	79.1
DUP-1	06/10/09	-	9,390	0.31	2.00	0.165	14.7	17.3	37.5	0.026	289	12.9	0.2	0.016	69.3
SB-2	06/10/09	0 - 0.5	9,260	0.60	2.10	0.272	13.0	27.1	51.4	0.031	262	17.3	0.2	0.030	109
SB-3	06/10/09	0 - 0.5	11,300	0.57	2.13	0.318	16.4	28.0	86.3	0.030	288	17.2	0.2	0.024	113
SB-4	06/10/09	0 - 0.5	11,400	0.17	2.09	0.062	11.7	17.2	8.340	0.015	269	15.9	0.2	0.012	54.4
SB-5	06/10/09	0 - 0.5	11,200	1.14	4.05	0.805	20.2	27.6	76.6	0.079	374	17.8	0.2	0.201	225
SB-5	06/10/09	3.5 - 4	-	-	-	-	-	-	-	0.018	-	-	-	-	-
SB-6	06/10/09	0 - 0.5	10,300	0.18	2.16	0.073	12.0	15.0	9.670	0.030	311	15.6	0.2	0.018	54.8
SB-7	06/10/09	0 - 0.5	10,500	0.44	2.49	0.125	14.1	18.4	30.9	0.019	350	15.3	0.2	0.018	70.6
SB-8	06/10/09	0 - 0.5	9,600	0.50	2.02	0.261	18.7	24.2	80.7	0.074	370	15.3	0.2	0.038	83.2
SB-8	06/10/09	3.5 - 4	-	-	-	-	-	-	-	0.028	-	-	-	-	-
SB-9	11/18/09	0 - 0.5	12,000	5.03	3.29	0.72	35.7	193	513	0.279	471	26.7	0.3	0.168	369
SB-9	11/18/09	3.5 - 4	10,100	0.3	2.2	0.05	9.4	14.0	2.90	0.018	306	15.6	1.0	0.03	49.9
SB-10	11/18/09	0 - 0.5	5,570	2.15	2.02	0.535	157	121	371	0.884	566	59.2	0.3	0.52	231
SB-10	11/18/09	3.5 - 4	9,610	0.1	2.0	0.04	9.1	11.5	2.23	0.017	276	15.4	1.1	0.02	43.4
SB-11	06/10/09	0 - 0.5	10,700	1.05	2.22	0.156	15.0	20.0	15.4	0.464	349	17.4	0.2	0.044	101
SB-11	06/10/09	3.5 - 4	-	-	-	-	-	-	-	0.059	-	-	-	-	-
SS-1	11/27/12	0 - 0.5	4,500	0.26 JB	1.2 B	0.35 J	12	18	28	0.037 J	450	7.9	0.15 J	0.11 J	99
SS-2	11/27/12	0 - 0.5	6,300	0.57 JB	1.8 B	0.71 J	25	25	82	0.099	420	9.0	0.22 J	0.15 J	150
SS-3	11/27/12	0 - 0.5	7,800	0.93 JB	5.0 B	0.49 J	25	33	150	0.11	600	13	0.19 J	0.15 J	170
SS-4	11/27/12	0 - 0.5	9,200	0.69 JB	2.4 B	0.43 J	40	44	110	0.023 J	330	15	0.10 J	0.11 J	210
SS-5	11/27/12	0 - 0.5	6,300	0.47 JB	1.8 B	0.51 J	22	23	71	0.081 J	320	10	0.15 J	0.12 J	100
SS-6	11/27/12	0 - 0.5	6,500	1.6 B	4.0 B	1.0	68	59	320	0.072 J	410	23	0.14 J	0.17 J	330
SS-7	11/27/12	0 - 0.5	5,100	0.28 JB	2.4 B	0.16 J	8.9	15	19	0.033 J	350	3.5	0.11 J	0.099 J	75
SS-8	11/27/12	0 - 0.5	5,900	1.3 B	2.2 B	0.47 J	50	38	110	0.035 J	400	18	0.14 J	0.38 J	160
SS-9	11/27/12	0 - 0.5	6,200	2.5 B	3.1 B	0.72 J	66	57	120	0.055 J	500	27	0.19 J	0.48 J	200
SS-10	11/27/12	0 - 0.5	5,900	7.8 B	10 B	0.59 J	260	270	130	0.14	1,000	140	0.18 J	0.98 J	230
SS-11	11/27/12	0 - 0.5	6,400	2.3 B	4.4 B	1.1	85	100	250	0.54	670	36	0.20 J	0.90 J	260
SS-12	11/28/12	0 - 0.5	8,300	5.9	31	1.1	120	93	510	1.7 J	590	27	0.23 J	15	450
SS-13	11/28/12	0 - 0.5	5,300	2.8	2.6	1.4	81	78	590	9.1	340	17	0.27 J	2.0	250
SS-14	11/28/12	0 - 0.5	6,300	3.0	2.4	3.7	260	52	1,300	0.18	260	12	0.13 J	1.3	100
SS-15	11/27/12	0 - 0.5	4,900	5.6 B	11 B	0.65 J	430	300	310	0.15	1,100	170	0.17 J	0.76 J	350
SS-16	11/27/12	0 - 0.5	6,000	7.0 B	13 B	0.44 J	440	390	150	0.15	1,400	220	0.14 J	0.60 J	230
SS-17	11/27/12	0.5 - 1.0	5,900	0.26 JB	1.1 B	0.11 J	6.2	27	22	0.0059 J	300	8.1	0.086 J	0.14 J	57
SS-18	11/27/12	0.5 - 1.0	4,400	5.2 B	5.4 B	0.47 J	140	130	160	0.084 J	570	69	0.20 J	0.29 J	140
SS-19	11/27/12	0.5 - 1.0	9,700	5.0 B	4.8 B	0.98 J	37	160	480	0.20	870	17	0.26 J	0.21 J	380
JSCS SLVs			NE	64	7.0	1.0	111	149	17	0.070	1,100	48.6	2.0	5.0	459

Notes:

JSCS SLVs = Joint Source Control Strategy Soil/Sediment screening level values

ND<5 = not detected at or above stated laboratory detection limit

mg/kg = milligrams per kilogram

NE = not established

Sb = Antimony

As = Arsenic

Cd = Cadmium

Mn = manganese

Ni = nickel

Se = selenium

Cr = Chromium

Cu = copper

Pb = lead

^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard:

Instrument related QC exceeds the control limits.

B = Compound was found in the blank and sample.

Ag = silver

Al = Aluminum

Zn = zinc

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

* = LCS or LCSD exceeds the control limits

P = The %RPD between the primary and confirmation column/detector is >40%.

The lower value has been reported.

TABLE 2C - ORGANOCHLORINE PESTICIDES

Surficial Soil Sampling Analytical Results

Myers Container

Portland, Oregon

Analytes (mg/kg)																		
Sample	Date	Sample Depth	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan - I	Endosulfan - II	Endosulfan sulfate	Endrin	Endrin aldehyde	Heptachlor	Heptachlor epoxide
SB-1	06/10/09	0 - 0.5	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	0.008	0.0043	ND<0.00054	ND<0.00061	ND<0.00054	0.00058	ND<0.00054	ND<0.0022	ND<0.00054
SB-1	06/10/09	3.5 - 4	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	0.0033	0.0014	ND<0.00056	0.00017	ND<0.00056	0.00013	ND<0.00056	ND<0.00056	ND<0.00056
DUP-1	06/10/09	0 - 0.5	0.00067	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00093	ND<0.00055	0.0096	0.005	ND<0.00055	ND<0.0012	ND<0.00055	0.0013	0.00079	ND<0.0028	ND<0.00055
SB-2	06/10/09	0 - 0.5	ND<0.00054	ND<0.00054	ND<0.0037	ND<0.00054	ND<0.00057	ND<0.026	0.0046	ND<0.0041	0.0045	ND<0.00077	ND<0.0015	0.0027	0.00084	ND<0.00054	ND<0.0031	ND<0.0011
SB-2	06/10/09	3.5 - 4	ND<0.00054	0.00096	ND<0.00070	0.00025	ND<0.00054	0.18	0.0047	ND<0.0011	0.0024	ND<0.00063	0.00032	0.0012	0.00098	ND<0.00054	ND<0.00054	ND<0.00054
SB-3	06/10/09	0 - 0.5	ND<0.00058	ND<0.00058	ND<0.0013	ND<0.0014	ND<0.00058	0.058	0.0071	0.0068	0.0086	ND<0.00058	ND<0.0042	0.002	0.0011	ND<0.00058	ND<0.00058	ND<0.00058
SB-3	06/10/09	3.5 - 4	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065	0.0031	0.00056	ND<0.00065	0.00077	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065	ND<0.00065
SB-4	06/10/09	0 - 0.5	ND<0.0013	ND<0.0013	ND<0.0013	ND<0.0013	ND<0.0013	0.015	0.0068	0.01	0.008	ND<0.0013	ND<0.0026	ND<0.0013	ND<0.0013	ND<0.0013	ND<0.0013	ND<0.0013
SB-4	06/10/09	3.5 - 4	ND<0.00060	ND<0.00060	0.00077	ND<0.00060	ND<0.00060	0.0007	ND<0.00060	0.00059	0.001	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060
SB-5	06/10/09	0 - 0.5	ND<0.00057	ND<0.00057	ND<0.00057	ND<0.00057	ND<0.00057	ND<0.00097	0.0019	0.034	0.0049	ND<0.00057	ND<0.0026	ND<0.00057	ND<0.00057	ND<0.00057	ND<0.017	ND<0.00057
SB-5	06/10/09	3.5 - 4	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00068	ND<0.0011	0.0022	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055	ND<0.00055
SB-6	06/10/09	0 - 0.5	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	0.0024	0.0041	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056
SB-6	06/10/09	3.5 - 4	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	0.00015	ND<0.00056	0.0011	0.0019	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056
SB-7	06/10/09	0 - 0.5	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	0.00067	0.0039	0.0034	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054
SB-7	06/10/09	3.5 - 4	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	0.00035	0.00017	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054
SB-8	06/10/09	0 - 0.5	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	0.00059	ND<0.0011	0.017	0.012	ND<0.00054	ND<0.00059	ND<0.00054	0.001	ND<0.00063	ND<0.00054	ND<0.00054
SB-8	06/10/09	3.5 - 4	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	0.0009	0.00047	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054
SB-9	11/18/09	0 - 0.5	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	0.0057	0.011	0.021	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028	ND<0.0028
SB-9	11/18/09	3.5 - 4	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053
SB-10	11/18/09	0 - 0.5	ND<0.0019	ND<0.00054	0.00083	ND<0.00054	ND<0.00054	0.0062	0.071	0.17	0.036	ND<0.0013	ND<0.00058	0.0026	0.0033	ND<0.00054	0.00094	ND<0.00054
SB-10	11/18/09	3.5 - 4	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053	ND<0.00053
SB-11	06/10/09	0 - 0.5	12	ND<0.00055	ND<0.00055	0.0026	ND<0.00057	0.014	0.0056	0.011	5.2	ND<0.0025	ND<0.0017	ND<0.0045	0.0074	0.002	0.0039	0.0008
SB-11	06/10/09	3.5 - 4	0.3	ND<0.00061	0.00018	ND<0.00061	ND<0.00061	0.0034	0.0037	0.014	0.57	ND<0.00074	ND<0.0041	0.0015	ND<0.0013	ND<0.00075	ND<0.0058	ND<0.00061
SS-1	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.003 p^	0.0011 p	0.0045 ^p	0.007 p	ND<0.00010	ND<0.00020	ND<0.00020	ND<0.00020 ^	ND<0.00020	ND<0.00020	ND<0.00010
SS-2	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	ND<0.00021^	0.0024 p	ND<0.00021 ^	0.010 P	ND<0.00010	ND<0.00021	0.0012	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-3	11/27/12	0 - 0.5	0.00056 p	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.0064p^	0.0026	0.028 ^p	0.067 E	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-4	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.02^	0.009	0.020 ^p	0.016	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	0.0023 p
SS-5	11/27/12	0 - 0.5	ND<0.00011	ND<0.00011	ND<0.00011	ND<0.00010 ^	ND<0.00011	0.0035 p^	ND<0.00021	0.011 ^p	0.0063 p	ND<0.00011	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00011
SS-6	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.062	0.028	0.037 ^p	0.024 P	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-7	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	ND<0.00021 ^	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-8	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	ND<0.00021^	0.0035	0.017 ^p	0.013 p	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-9	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.0044 ^	0.0013 p	0.015 ^p	0.011 p	ND<0.00010	ND<0.00020	ND<0.00020	ND<0.00020 ^	ND<0.00020	ND<0.00020	ND<0.00010
SS-10	11/27/12	0 - 0.5	ND<0.00011	ND<0.00011	ND<0.00011	ND<0.00010 ^	ND<0.00011	0.0064 p^	0.0034 p	0.0095 ^p	0.015 p	ND<0.00011	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00011
SS-11	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.068	0.066 P	0.16 p^	0.13 p	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-11 ^H	11/27/12	1.5 - 2.0	ND<0.71	ND<0.71	ND<0.71	ND<0.71	ND<0.71	1.1	2.6	19	2.3	ND<0.71	ND<0.71	ND<0.71	ND<0.71	ND<0.71	ND<0.71	ND<0.71
SS-12	11/28/12	0 - 0.5	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.63	0.39	0.93	1.2	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.36
SS-13	11/28/12	0 - 0.5	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.38	0.088 J	0.45	0.25	ND<0.15	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.18	ND<0.15
SS-14	11/28/12	0 - 0.5	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015	0.05	0.031	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.029	ND<0.015	ND<0.015
SS-15	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.015 p^	0.012	0.027 ^p	0.069 p	ND<0.00010	ND<0.20	ND<0.00020	ND<0.00020 ^	ND<0.00020	ND<0.00020	ND<0.00010 ^
SS-16	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.0041 ^	0.0015 p	0.0048^p	0.0069 p	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	ND<0.00010
SS-17	11/27/12	0.5 - 1.0	ND<0.00099	ND<0.00099	ND<0.00099	ND<0.00099 ^	ND<0.00099	ND<0.099	0.00082 ^	0.00065	ND<0.00020 ^	0.0035 p	ND<0.00099	ND<0.00020	ND<0.00020	ND<0.00020 ^	ND<0.00020	ND<0.00099 ^
SS-18	11/27/12	0.5 - 1.0	ND<0.00099	ND<0.00099	ND<0.00099	ND<0.00099 ^	ND<0.00099	ND<0.099	0.0042 ^	0.0021	0.0057 ^p	0.0079 p	ND<0.00099	ND<0.00020	ND<0.00020	ND<0.00020 ^	ND<0.00020	ND<0.00099 ^
SS-19	11/27/12	0.5 - 1.0	ND<0.00010	ND<0.00010	ND<0.00010	ND<0.00010 ^	ND<0.00010	0.078	0.036	0.10 P^	ND<0.00021	ND<0.00010	ND<0.00021	ND<0.00021	ND<0.00021 ^	ND<0.00021	ND<0.00021	0.012 p^
JSCS SLVs			0.040	NE	NE	NE	0.00499	0.00033	0.00033	0.00033	0.0000081	NE	NE	NE	0.207	NE	0.01	0.016

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

mg/kg = milligrams per kilogram

B = Compound was found in the blank and sample.

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

* = LCS or LCSD exceeds the control limits

P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

- = not analyzed

H = Hold time exceeded

TABLE 2C - ORGANOCHLORINE PESTICIDES

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)											
Methoxychlor	Endrin Ketone	Toxaphene	Sample	Date	Sample Depth	gamma-Chlordane	alpha-chlordane	Chlordane (technical)	Oxychlordane	cis-Nanochlor	trans-Nanochlor	2,4'-DDE	2,4'-DDD	2,4'-DDT
ND<0.0018	ND<0.00082	ND<0.098	SB-1	06/09/09	0 - 0.5	-	-	0.062	ND<0.00054	ND<0.0016	0.0051	ND<0.00054	ND<0.0013	ND<0.0020
ND<0.00056	ND<0.00056	ND<0.028	SB-1	06/09/09	3.5 - 4	-	-	0.023	ND<0.00056	ND<0.0016	0.0016	ND<0.00056	0.0028	ND<0.00089
ND<0.0024	ND<0.00092	ND<0.12	DUP-1	06/09/09	0 - 0.5	-	-	0.092	ND<0.00055	ND<0.0020	0.0052	ND<0.00055	ND<0.0013	ND<0.0021
ND<0.021	0.0027	ND<0.20	SB-2	06/09/09	0 - 0.5	-	-	0.32	ND<0.00054	ND<0.0045	ND<0.011	ND<0.00062	ND<0.0050	ND<0.0077
ND<0.00071	ND<0.00054	ND<0.046	SB-2	06/09/09	3.5 - 4	-	-	0.14	ND<0.00054	ND<0.0025	ND<0.0062	ND<0.00059	0.021	0.0052
ND<0.0023	0.0014	ND<0.36	SB-3	06/09/09	0 - 0.5	-	-	0.41	ND<0.00058	ND<0.0096	0.01	ND<0.00087	0.015	0.0096
ND<0.00065	ND<0.00065	ND<0.033	SB-3	06/09/09	3.5 - 4	-	-	0.024	ND<0.00065	ND<0.00068	0.001	ND<0.00065	ND<0.0012	0.0011
ND<0.0013	ND<0.0013	ND<0.28	SB-4	06/09/09	0 - 0.5	-	-	0.051	ND<0.0013	ND<0.0064	ND<0.0026	ND<0.0013	0.019	0.011
ND<0.00060	ND<0.00060	ND<0.030	SB-4	06/09/09	3.5 - 4	-	-	ND<0.0060	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060	ND<0.00060	0.0005
ND<0.0011	ND<0.00083	ND<0.16	SB-5	06/09/09	0 - 0.5	-	-	0.088	ND<0.00057	0.0052	0.0047	ND<0.00057	ND<0.0028	ND<0.0011
ND<0.00055	ND<0.00055	ND<0.028	SB-5	06/09/09	3.5 - 4	-	-	ND<0.0055	ND<0.0015	ND<0.00055	0.00063	ND<0.00055	ND<0.00055	ND<0.00055
ND<0.00056	ND<0.00056	ND<0.028	SB-6	06/09/09	0 - 0.5	-	-	0.0085	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056	ND<0.00056
ND<0.00056	ND<0.00056	ND<0.028	SB-6	06/09/09	3.5 - 4	-	-	ND<0.0056	ND<0.00056	ND<0.00056	0.00021	ND<0.00056	ND<0.00056	ND<0.00056
0.0008	ND<0.00057	ND<0.075	SB-7	06/09/09	0 - 0.5	-	-	0.011	ND<0.00054	ND<0.00054	ND<0.00057	ND<0.00054	ND<0.00078	ND<0.00077
ND<0.00054	ND<0.00054	ND<0.027	SB-7	06/09/09	3.5 - 4	-	-	ND<0.0054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054	ND<0.00054
0.0035	ND<0.0022	ND<0.2	SB-8	06/09/09	0 - 0.5	-	-	0.07	ND<0.00054	ND<0.00087	ND<0.0025	ND<0.0017	ND<0.0030	0.012
ND<0.00054	ND<0.00054	ND<0.027	SB-8	06/09/09	3.5 - 4	-	-	ND<0.0054	ND<0.00054	ND<0.00054	0.0002	ND<0.00054	ND<0.00054	0.00056
ND<0.0028	ND<0.0028	ND<0.30	SB-9	11/18/09	0 - 0.5	-	-	0.061	ND<0.0028	ND<0.0028	0.0035	ND<0.0028	ND<0.0028	0.0084
ND<0.00053	ND<0.00053	ND<0.027	SB-9	11/18/09	3.5 - 4	-	-	ND<0.0053	ND<0.00099	ND<0.00099	ND<0.00099	ND<0.00053	ND<0.00053	ND<0.00053
ND<0.0020	ND<0.00054	ND<0.54	SB-10	11/18/09	0 - 0.5	-	-	0.27	ND<0.00056	ND<0.0044	0.013	ND<0.00090	0.0047	0.016
ND<0.00053	ND<0.00053	ND<0.027	SB-10	11/18/09	3.5 - 4	-	-	ND<0.0053	ND<0.00099	ND<0.00099	ND<0.00099	ND<0.00053	ND<0.00053	ND<0.00053
ND<0.00055	0.33	ND<0.55	SB-11	06/09/09	0 - 0.5	-	-	0.54	0.0006	ND<0.012	0.028	ND<0.00055	ND<0.017	0.016
ND<0.00079	0.031	ND<0.15	SB-11	06/09/09	3.5 - 4	-	-	0.092	ND<0.00061	ND<0.0027	0.0068	ND<0.00073	ND<0.00061	0.0085
ND<0.001 ^	ND<0.00020	ND<0.010	SS-1	11/27/12	0 - 0.5	0.003	0.0031	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-2	11/27/12	0 - 0.5	0.0056 p	0.0065	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-3	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-4	11/27/12	0 - 0.5	ND<0.0010	ND<0.0010	ND<0.001	-	-	-	-	-	-
ND<0.0011 ^	ND<0.00021	ND<0.011	SS-5	11/27/12	0 - 0.5	0.02	0.022	ND<0.0011	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-6	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-7	11/27/12	0 - 0.5	0.029	0.032	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010	SS-8	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00020	ND<0.010	SS-9	11/27/12	0 - 0.5	0.0056	0.0084 P	ND<0.001	-	-	-	-	-	-
ND<0.0011 ^	ND<0.00021	ND<0.011	SS-10	11/27/12	0 - 0.5	0.0097	0.012	ND<0.0011	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010 ^	SS-11	11/27/12	0 - 0.5	ND<0.00010	ND<0.00010	ND<0.001	-	-	-	-	-	-
ND<0.71	ND<0.71	ND<21	SS-11 ^H	11/27/12	1.5 - 2.0	ND<0.71	ND<0.71	ND<16						
ND<0.15	ND<0.15	ND<4.3	SS-12	11/28/12	0 - 0.5	0.51	0.43	3.6	-	-	-	-	-	-
ND<0.15	ND<0.15	ND<4.5	SS-13	11/28/12	0 - 0.5	1.5	1.3	14.0	-	-	-	-	-	-
ND<0.029	ND<0.015	ND<0.44	SS-14	11/28/12	0 - 0.5	0.025	0.024	0.2 J	-	-	-	-	-	-
ND<0.001 ^	ND<0.00020	ND<0.010 ^	SS-15	11/27/12	0 - 0.5	0.071	ND<0.00010	ND<0.001	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010 ^	SS-16	11/27/12	0 - 0.5	0.0058	0.0063	ND<0.001	-	-	-	-	-	-
ND<0.00099 ^	ND<0.00020	ND<0.0099^	SS-17	11/27/12	0.5 - 1.0	0.00083	0.001	ND<0.00099	-	-	-	-	-	-
ND<0.00099 ^	ND<0.00020	ND<0.0099^	SS-18	11/27/12	0.5 - 1.0	0.007	0.01	ND<0.00099	-	-	-	-	-	-
ND<0.001 ^	ND<0.00021	ND<0.010^	SS-19	11/27/12	0.5 - 1.0	ND<0.00010	ND<0.00010	ND<0.001	-	-	-	-	-	-
NE	NE	NE	JSCS SLV			NE	NE	0.00037	NE	NE	NE	NE	NE	NE

NOTES:

ND<5 = not detected at or above stated laboratory detection limit
mg/kg = milligrams per kilogram
RBC¹ = Generic risk based concentrations, Soil Ingestion, Dermal Contact, and Inhalation - construction worker
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
- = not analyzed
H = Hold time exceeded

TABLE 2D - POLYCHLORINATED BYPHENYLS

Surficial Soil Sampling Analytical Results

Myers Container

Portland, Oregon

			Analytes (mg/kg)								
Sample ID	Date	Sample Depth	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
SB-1	06/10/09	0 - 0.5	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	0.047	0.061	ND<0.0054	ND<0.0054
DUP-1	06/10/09	-	ND<0.0055	ND<0.011	ND<0.0055	ND<0.0055	ND<0.0055	0.038	0.073	ND<0.0055	ND<0.0055
SB-2	06/10/09	0 - 0.5	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	0.12	0.12	ND<0.0054	ND<0.0054	ND<0.0054
SB-3	06/10/09	0 - 0.5	ND<0.0058	ND<0.012	ND<0.0058	ND<0.0058	0.24	0.18	0.056	ND<0.0058	ND<0.0058
SB-4	06/10/09	0 - 0.5	ND<0.0064	ND<0.013	ND<0.0064	ND<0.0064	0.19	0.18	0.059	ND<0.0064	ND<0.0064
SB-5	06/10/09	0 - 0.5	ND<0.0057	ND<0.012	ND<0.0057	ND<0.0057	ND<0.0057	0.047	0.032	ND<0.0057	ND<0.0057
SB-6	06/10/09	0 - 0.5	ND<0.0056	ND<0.012	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056
SB-7	06/10/09	0 - 0.5	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	0.025	0.027	ND<0.0054	ND<0.0054
SB-8	06/10/09	0 - 0.5	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	0.14	0.1	ND<0.0054	ND<0.0054
SB-9	11/18/09	0 - 0.5	ND<0.0056	ND<0.012	ND<0.0056	ND<0.0056	ND<0.0056	0.076	ND<0.0056	ND<0.0056	ND<0.0056
SB-10	11/18/09	0 - 0.5	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.15	0.067	ND<0.0054	ND<0.0054
SB-11	06/10/09	0 - 0.5	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28
SS-1	11/27/12	0 - 0.5	ND<0.053	ND<0.1	ND<0.053	ND<0.053	ND<0.053	0.088	ND<0.053	ND<0.053	ND<0.053
SS-2	11/27/12	0 - 0.5	ND<0.1	ND<0.21	ND<0.1	ND<0.1	ND<0.1	0.26	ND<0.1	ND<0.1	ND<0.1
SS-3	11/27/12	0 - 0.5	ND<0.27	ND<0.53	ND<0.27	ND<0.27	ND<0.27	0.73	ND<0.27	ND<0.27	ND<0.27
SS-3 ^H	11/27/12	1.5 - 2.0	ND<0.15	ND<0.30	ND<0.15	ND<0.15	ND<0.15	1.8	ND<0.15	ND<0.15	ND<0.15
SS-4	11/27/12	0 - 0.5	ND<0.1	ND<0.21	ND<0.1	ND<0.1	ND<0.1	0.25	ND<0.1	ND<0.1	ND<0.1
SS-5	11/27/12	0 - 0.5	ND<0.21	ND<0.42	ND<0.21	ND<0.21	ND<0.21	0.23	ND<0.21	ND<0.21	ND<0.21
SS-6	11/27/12	0 - 0.5	ND<0.27	ND<0.53	ND<0.27	ND<0.27	ND<0.27	2.2	ND<0.27	ND<0.27	ND<0.27
SS-6 ^H	11/27/12	1.5 - 2.0	ND<0.0026	ND<0.0052	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026
SS-7	11/27/12	0 - 0.5	ND<0.053	ND<0.11	ND<0.053	ND<0.053	ND<0.053	0.091	ND<0.053	ND<0.053	ND<0.053
SS-8	11/27/12	0 - 0.5	ND<0.053	ND<0.11	ND<0.053	ND<0.053	ND<0.053	0.31	ND<0.053	ND<0.053	ND<0.053
SS-9	11/27/12	0 - 0.5	ND<0.021	ND<0.042	ND<0.021	ND<0.021	ND<0.021	0.17	ND<0.021	ND<0.021	ND<0.021
SS-10	11/27/12	0 - 0.5	ND<0.021	ND<0.042	ND<0.021	ND<0.021	ND<0.021	0.21	ND<0.021	ND<0.021	ND<0.021
SS-11	11/27/12	0 - 0.5	ND<0.53	ND<1.1	ND<0.53	ND<0.53	ND<0.53	6.1	ND<0.53	ND<0.53	ND<0.53
SS-11 ^H	11/27/12	1.5 - 2.0	ND<0.66	ND<1.1	ND<0.66	ND<0.66	ND<0.66	8.4	ND<0.66	ND<0.66	ND<0.66
SS-12	11/28/12	0 - 0.5	ND<0.54	ND<1.1	ND<0.54	ND<0.54	ND<0.54	3.8	ND<0.54	ND<0.54	ND<0.54
SS-13	11/28/12	0 - 0.5	ND<0.57	ND<1.1	ND<0.57	ND<0.57	ND<0.57	12.0	ND<0.57	ND<0.57	ND<0.57
SS-14	11/28/12	0 - 0.5	ND<0.011	ND<0.022	ND<0.011	ND<0.011	ND<0.011	0.19	ND<0.011	ND<0.011	ND<0.011
SS-15	11/27/12	0 - 0.5	ND<0.26	ND<0.51	ND<0.26	ND<0.26	ND<0.26	0.93	ND<0.26	ND<0.26	ND<0.26
SS-15 ^H	11/27/12	1.5 - 2.0	ND<0.027	ND<0.055	ND<0.027	ND<0.027	ND<0.027	0.36	ND<0.027	ND<0.027	ND<0.027
SS-16	11/27/12	0 - 0.5	ND<0.021	ND<0.043	ND<0.021	ND<0.021	ND<0.021	0.1	ND<0.021	ND<0.021	ND<0.021
SS-17	11/27/12	0.5 - 1.0	ND<0.021	ND<0.042	ND<0.021	ND<0.021	ND<0.021	0.04	ND<0.021	ND<0.021	ND<0.021
SS-18	11/27/12	0.5 - 1.0	ND<0.021	ND<0.042	ND<0.021	ND<0.021	ND<0.021	0.079	ND<0.021	ND<0.021	ND<0.021
SS-19	11/27/12	0.5 - 1.0	ND<0.053	ND<0.11	ND<0.053	ND<0.053	ND<0.053	0.81	ND<0.053	ND<0.053	ND<0.053
SS-19 ^H	11/27/12	1.5 - 2.0	ND<0.0061	ND<0.012	ND<0.0061	ND<0.0061	ND<0.0061	0.022	ND<0.0061	ND<0.0061	ND<0.0061
JSCS SLVs			0.53	NE	NE	NE	1.5	0.3	0.2	NE	NE

NOTES:

- PCBs = polychlorinated biphenyls
- ND<5 = not detected at or above stated laboratory detection limit
- NE = not established
- mg/kg = milligrams per kilogram
- B = Compound was found in the blank and sample.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * = LCS or LCSD exceeds the control limits
- P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- ^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
- H = Hold time exceeded

TABLE 2E - POLYNUCLEAR AROMATIC HYDROCARBONS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)											
Sample ID	Date	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene
SB-1	06/10/09	0 - 0.5	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054
DUP-1	06/10/09	-	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SB-2	06/10/09	0 - 0.5	0.067	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	0.085	ND<0.055	0.14	0.12
SB-2	06/10/09	3.5 - 4	0.2	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	0.43
SB-3	06/10/09	0 - 0.5	0.1	ND<0.058	ND<0.058	0.061	ND<0.058	ND<0.058	ND<0.058	ND<0.058	0.12	ND<0.058	0.13	0.29
SB-3	06/10/09	3.5 - 4	0.0067	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	0.014
SB-4	06/10/09	0 - 0.5	0.14	ND<0.064	0.13	0.073	ND<0.064	ND<0.064	ND<0.064	ND<0.064	0.12	ND<0.064	0.16	0.58
SB-4	06/10/09	3.5 - 4	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	ND<0.006	0.021
SB-5	06/10/09	0 - 0.5	ND<0.0057	ND<0.0057	0.0063	0.019	0.032	0.046	0.035	0.015	0.035	0.0063	0.044	ND<0.0057
SB-6	06/10/09	0 - 0.5	ND<0.0056	ND<0.0056	ND<0.0056	0.012	0.015	0.019	0.015	ND<0.0056	0.015	ND<0.0056	0.018	ND<0.0056
SB-7	06/10/09	0 - 0.5	ND<0.0054	ND<0.0054	ND<0.0054	0.0067	0.015	0.017	0.017	ND<0.0054	0.011	ND<0.0054	0.013	ND<0.0054
SB-8	06/10/09	0 - 0.5	ND<0.0054	ND<0.0054	ND<0.0054	0.0068	0.011	0.011	0.012	ND<0.0054	0.0071	ND<0.0054	0.011	ND<0.0054
SB-9	11/18/09	0 - 0.5	ND<0.0014	0.018	0.012	0.057	0.11	0.12	0.13	0.038	0.093	0.016	0.17	0.0025
SB-9	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-10	11/18/09	0 - 0.5	0.011	0.028	0.046	0.21	0.23	0.26	0.18	0.085	0.23	0.037	0.33	0.0097
SB-10	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-11	06/10/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SS-1	11/27/12	0 - 0.5	ND<0.0027	0.0046	ND<0.0027	ND<0.0027	0.0092 B	0.0089 B	0.0094 B	0.0023 JB	0.0055 B	ND<0.0027	ND<0.0027	ND<0.0027
SS-2	11/27/12	0 - 0.5	0.0065	0.0045 J	0.016	ND<0.0052	0.0072 B	0.036 B	0.028 B	ND<0.0052	ND<0.0052	ND<0.0052	0.011	0.0054
SS-3	11/27/12	0 - 0.5	0.0082	0.0058	0.0063	0.013	0.016	0.023	0.038	0.0074	0.019	0.0062	0.026	0.0067
SS-4	11/27/12	0 - 0.5	ND<0.00052	0.0011	0.0012	0.00094 B	0.0012 B	0.0025 B	0.0062 B	0.00061 B	0.0022 B	0.00081 B	0.0017	ND<0.00052
SS-5	11/27/12	0 - 0.5	0.00061	0.0034	0.0036	0.0097 B	0.014 B	0.026 B	0.020 B	0.0065 B	0.018 B	0.0033 B	0.019	0.00051 J
SS-6	11/27/12	0 - 0.5	0.00082	0.0054	0.011	0.017 B	0.025 B	0.043 B	0.029 B	0.012 B	0.032 B	0.005 B	0.035	0.003
SS-7	11/27/12	0 - 0.5	0.00034 J	0.00091	0.0024	0.0047 B	0.0063 B	0.018 B	0.0085 B	0.0043 B	0.010 B	0.0027 B	0.0076	0.00022 J
SS-8	11/27/12	0 - 0.5	0.00055	0.0027	0.0039	0.011 B	0.020 B	0.022 B	0.024 B	0.0079 B	0.017 B	0.0048 B	0.018	0.00048 J
SS-9	11/27/12	0 - 0.5	ND<0.0053	ND<0.0053	0.0029 J	0.017	0.019	0.026	0.016	0.01	0.023	0.0067	0.019	ND<0.0053
SS-10	11/27/12	0 - 0.5	ND<0.0053	0.0017 J	0.0056	0.014	0.011	0.024	0.015	0.0088	0.024	0.0059	0.025	ND<0.0053
SS-11	11/27/12	0 - 0.5	ND<0.0053	0.0031 J	0.0064	0.021	0.029	0.057	0.034	0.019	0.029	0.0079	0.034	ND<0.0053
SS-12	11/28/12	0 - 0.5	0.0026	0.031	0.041	0.15	0.21	0.31	0.27	0.087	0.16	0.034	0.15	0.0033
SS-13	11/28/12	0 - 0.5	0.016	0.03	0.061	0.15	0.19	0.25	0.22	0.074	0.16	0.039	0.53	0.013
SS-14	11/28/12	0 - 0.5	0.049	0.0046	0.066	0.33	0.56	1.0	0.42	0.40	0.39	0.12	0.46	0.013
SS-15	11/27/12	0 - 0.5	0.0016 J	0.002 J	0.0074	0.016	0.023	0.039	0.03	0.01	0.04	0.0087	0.032	0.0016 J
SS-16	11/27/12	0 - 0.5	0.0017 J	ND<0.0053	0.0027 J	0.0073	0.006	0.0099	0.0095	0.0040 J	0.013	0.0047 J	0.015	0.0046 J
SS-17	11/27/12	0.5 - 1.0	ND<0.0052	0.002 J	0.003 J	0.0077	0.025	0.003 J	0.027	0.043	0.0059	0.035	0.014	ND<0.0052
SS-18	11/27/12	0.5 - 1.0	0.00088	0.0015	0.0026	0.0095 B	0.011 B	0.022 B	0.0045 B	0.0074 B	0.019 B	0.0017 B	0.019	0.00074
SS-19	11/27/12	0.5 - 1.0	0.0011	0.0063	0.007	0.030 B	0.038 B	0.062 B	0.024 B	0.016 B	0.042 B	0.0041 B	0.063	0.0016
JSCS SLVs			0.3	0.2	0.845	1.05	1.45	NE	0.3	13.0	1.29	1.3	2.23	0.536

NOTES:

- PAHs = polynuclear aromatic hydrocarbons
- ND<5 = not detected at or above stated laboratory detection limit
- mg/kg = milligrams per kilogram
- NE = not established
- B = Compound was found in the blank and sample.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * = LCS or LCSD exceeds the control limits
- P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- ^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 2E - POLYNUCLEAR AROMATIC HYDROCARBONS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)				
Sample ID	Date	Sample Depth	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-1	06/09/09	0 - 0.5	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054
DUP-1	06/09/09	-	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SB-2	06/09/09	0 - 0.5	ND<0.055	1.1	0.25	0.25	0.19
SB-2	06/09/09	3.5 - 4	ND<0.027	0.62	0.061	1.3	0.034
SB-3	06/09/09	0 - 0.5	ND<0.058	4.8	0.41	0.5	0.23
SB-3	06/09/09	3.5 - 4	ND<0.0066	0.12	ND<0.0066	0.035	0.01
SB-4	06/09/09	0 - 0.5	ND<0.064	0.53	ND<0.064	1.2	0.35
SB-4	06/09/09	3.5 - 4	ND<0.006	ND<0.006	ND<0.006	0.039	0.015
SB-5	06/09/09	0 - 0.5	0.034	ND<0.0057	0.0064	0.024	0.066
SB-6	06/09/09	0 - 0.5	0.015	ND<0.0056	ND<0.0056	0.011	0.024
SB-7	06/09/09	0 - 0.5	0.016	ND<0.0054	ND<0.0054	ND<0.0054	0.021
SB-8	06/09/09	0 - 0.5	0.011	ND<0.0054	ND<0.0054	ND<0.0054	0.014
SB-9	11/18/09	0 - 0.5	0.12	0.003	0.0089	0.073	0.21
SB-9	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-10	11/18/09	0 - 0.5	0.18	0.0081	0.017	0.16	0.38
SB-10	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-11	06/09/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	ND<0.055	0.068
SS-1	11/27/12	0 - 0.5	0.0055 B	0.0014 J	ND<0.0027	ND<0.0027	0.011
SS-2	11/27/12	0 - 0.5	0.028 B	0.0039 J	0.0023 J	0.013	0.037
SS-3	11/27/12	0 - 0.5	0.034	0.0059	0.0029 J	0.018	0.033
SS-4	11/27/12	0 - 0.5	0.0047 B	0.00062	0.00053	0.001	0.0021
SS-5	11/27/12	0 - 0.5	0.025 B	0.0015	0.0015	0.0081	0.024
SS-6	11/27/12	0 - 0.5	0.032 B	0.0058	0.0046	0.027	0.047
SS-7	11/27/12	0 - 0.5	0.013 B	0.0011	0.0012	0.0026	0.0089
SS-8	11/27/12	0 - 0.5	0.026 B	0.0015	0.0021	0.0063	0.023
SS-9	11/27/12	0 - 0.5	0.021	0.0068	0.0058	0.0089	0.026
SS-10	11/27/12	0 - 0.5	0.013	0.0034 J	0.0063	0.013	0.032
SS-11	11/27/12	0 - 0.5	0.052	0.0028 J	0.0044 J	0.013	0.042
SS-12	11/28/12	0 - 0.5	0.30	0.017	0.0096	0.057 B	0.22
SS-13	11/28/12	0 - 0.5	0.28	0.02	0.023	0.15 B	0.33
SS-14	11/28/12	0 - 0.5	0.66	0.011	0.011	0.23 B	0.51
SS-15	11/27/12	0 - 0.5	0.027	0.004 J	0.008	0.014	0.033
SS-16	11/27/12	0 - 0.5	0.0069	0.003 J	0.0068	0.0082	0.017
SS-17	11/27/12	0.5 - 1.0	0.027	ND<0.0052	ND<0.0052	0.0034 J	0.03
SS-18	11/27/12	0.5 - 1.0	0.0051 B	0.0022	0.0029	0.0073	0.024
SS-19	11/27/12	0.5 - 1.0	0.027 B	0.0036	0.0042	0.032	0.079
JSCS SLV			0.1	0.2	0.561	1.17	1.52

NOTES:

PAHs = polynuclear aromatic hydrocarbons
ND<5 = not detected at or above stated laboratory detection limit
mg/kg = milligrams per kilogram
NE = not established
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 2F - VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)																			
Sample ID	Date	Sample Depth	Acetone	Benzene	Bromobenzen e	Bromochloro methane	Bromodichloro methane	Bromoform	Bromomethane	2-Butanone	n- Butylbenz ene	sec- Butylbenz ene	tert- Butylbenz ene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2- Chlorotolu ene	4- Chlorotolu ene	
SB-1	11/18/09	0 - 0.5	0.029	ND<0.0032	-	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	0.006	-	-	-	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	-	-	
SB-2	06/10/09	0 - 0.5	ND<2.4	ND<0.060	-	ND<0.060	ND<0.060	ND<0.060	ND<0.060	ND<2.4	-	-	-	ND<0.060	ND<0.060	ND<0.060	ND<0.060	ND<0.060	ND<0.060	-	-	
SB-2	11/18/09	0 - 0.5	ND<1.1	ND<0.028	-	ND<0.028	ND<0.028	ND<0.028	ND<0.028	ND<1.1	-	-	-	ND<0.028	ND<0.028	0.0088	ND<0.028	ND<0.028	ND<0.028	-	-	
SB-3	06/10/09	0 - 0.5	0.02	ND<0.002	-	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.008	-	-	-	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	-	-	
SB-4	06/10/09	0 - 0.5	ND<1.4	ND<0.033	-	ND<0.033	ND<0.033	ND<0.033	ND<0.033	ND<1.4	-	-	-	ND<0.033	ND<0.033	ND<0.033	ND<0.033	ND<0.033	ND<0.033	-	-	
SB-5	06/10/09	0 - 0.5	0.076	ND<0.0021	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0081	-	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	-	-	
SB-6	06/10/09	0 - 0.5	ND<1.1	ND<0.028	-	ND<0.028	ND<0.028	ND<0.028	ND<0.028	ND<1.1	-	-	-	ND<0.028	ND<0.028	ND<0.028	ND<0.028	ND<0.028	ND<0.028	-	-	
SB-7	06/10/09	0 - 0.5	0.028	ND<0.0024	-	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0095	-	-	-	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	-	-	
SB-8	06/10/09	0 - 0.5	0.045	ND<0.0021	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0083	-	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	-	-	
SB-9	11/18/09	0 - 0.5	ND<1.2	ND<0.030	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<1.2	-	-	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<0.030	-	-	
SB-10	11/18/09	0 - 0.5	0.25	ND<0.030	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<1.2	-	-	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<0.030	ND<0.030	-	-	
SB-11	06/10/09	0 - 0.5	0.034	ND<0.0025	-	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0099	-	-	-	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	
SS-1	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.57	ND<0.57	ND<1.1*	ND<0.57	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.57	ND<0.11	ND<0.11
SS-2	11/27/12	0 - 0.5	ND<2.6	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.53	ND<0.53	ND<1.1*	ND<0.53	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.53	ND<0.11	ND<0.11
SS-3	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-4	11/27/12	0 - 0.5	ND<2.7	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-5	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.56	ND<1.1*	ND<0.56	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11
SS-6	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.56	ND<1.1*	ND<0.56	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11
SS-7	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.56	ND<1.1*	ND<0.56	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11
SS-8	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-9	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.56	ND<1.1*	ND<0.56	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11
SS-10	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-11	11/27/12	0 - 0.5	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.56	ND<1.1*	ND<0.56	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11
SS-12	11/28/12	0 - 0.5	ND<2.3	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.46	ND<0.46	ND<0.92	0.084 J	0.043 J	ND<0.092	ND<0.92	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.46	ND<0.092	ND<0.092
SS-13	11/28/12	0 - 0.5	ND<2.4	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.48	ND<0.48	ND<0.96	ND<0.48	ND<0.096	ND<0.096	ND<0.96	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.48	ND<0.096	ND<0.096	
SS-14	11/28/12	0 - 0.5	ND<2.4	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.49	ND<0.49	ND<0.97	ND<0.49	ND<0.097	ND<0.097	ND<0.97	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.49	ND<0.097	ND<0.097	
SS-15	11/27/12	0 - 0.5	ND<2.7	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.54	ND<1.1*	ND<0.54	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.11	ND<0.11
SS-16	11/27/12	0 - 0.5	ND<2.9	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.58	ND<0.58	ND<1.2*	ND<0.58	ND<0.12	ND<0.12	ND<1.2	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.58	ND<0.12	ND<0.12
SS-17	11/27/12	0.5 - 1.0	ND<2.8	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-18	11/27/12	0.5 - 1.0	ND<2.7	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.55	ND<1.1*	ND<0.55	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11
SS-19	11/27/12	0.5 - 1.0	ND<2.7	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.54	ND<1.1*	ND<0.54	ND<0.11	ND<0.11	ND<1.1	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.11	ND<0.11
JSCS SLV			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	

NOTES:

- VOCs = Volatile Organic Carbons
- ND<5 = not detected at or above stated laboratory detection limit
- NE = not established
- mg/kg = milligrams per kilogram
- B = Compound was found in the blank and sample.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * = LCS or LCSD exceeds the control limits
- P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- ^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
- = not analyzed

TABLE 2F - VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

Analytes (mg/kg)																						
Sample ID	Date	Sample Depth	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromomethane	Dibromomethane	1,2-Dichloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene
SB-1	11/18/09	0 - 0.5	-	ND<0.0032	ND<0.013	ND<0.0032	ND<0.0032	-	-	ND<0.0032	ND<0.0032	-	ND<0.0032	ND<0.0032	ND<0.0032	-	-	-	ND<0.0032	ND<0.0032	ND<0.0032	-
SB-2	06/10/09	0 - 0.5	-	ND<0.060	ND<0.24	ND<0.060	ND<0.060	-	-	ND<0.060	ND<0.060	-	ND<0.060	ND<0.060	ND<0.060	-	-	-	ND<0.060	ND<0.060	0.18	-
SB-2	11/18/09	0 - 0.5	-	ND<0.028	ND<0.11	ND<0.028	ND<0.028	-	-	ND<0.028	ND<0.028	-	ND<0.028	ND<0.028	ND<0.028	-	-	-	ND<0.028	ND<0.028	0.062	-
SB-3	06/10/09	0 - 0.5	-	ND<0.002	ND<0.008	ND<0.002	ND<0.002	-	-	ND<0.002	ND<0.002	-	ND<0.002	ND<0.002	ND<0.002	-	-	-	ND<0.002	ND<0.002	0.0026	-
SB-4	06/10/09	0 - 0.5	-	ND<0.033	ND<0.14	ND<0.033	ND<0.033	-	-	ND<0.033	ND<0.033	-	ND<0.033	ND<0.033	ND<0.033	-	-	-	ND<0.033	ND<0.033	ND<0.033	-
SB-5	06/10/09	0 - 0.5	-	ND<0.0021	ND<0.0081	ND<0.0021	ND<0.0021	-	-	ND<0.0021	ND<0.0021	-	ND<0.0021	ND<0.0021	ND<0.0021	-	-	-	ND<0.0021	ND<0.0021	ND<0.0021	-
SB-6	06/10/09	0 - 0.5	-	ND<0.028	ND<0.11	ND<0.028	ND<0.028	-	-	ND<0.028	ND<0.028	-	ND<0.028	ND<0.028	ND<0.028	-	-	-	ND<0.028	ND<0.028	ND<0.028	-
SB-7	06/10/09	0 - 0.5	-	ND<0.0024	ND<0.0095	ND<0.0024	ND<0.0024	-	-	ND<0.0024	ND<0.0024	-	ND<0.0024	ND<0.0024	ND<0.0024	-	-	-	ND<0.0024	ND<0.0024	ND<0.0024	-
SB-8	06/10/09	0 - 0.5	-	ND<0.0021	ND<0.0083	ND<0.0021	ND<0.0021	-	-	ND<0.0021	ND<0.0021	-	ND<0.0021	ND<0.0021	ND<0.0021	-	-	-	ND<0.0021	ND<0.0021	ND<0.0021	-
SB-9	11/18/09	0 - 0.5	-	ND<0.030	ND<0.12	ND<0.030	ND<0.030	-	-	ND<0.030	ND<0.030	-	ND<0.030	ND<0.030	ND<0.030	-	-	-	ND<0.030	ND<0.030	ND<0.030	-
SB-10	11/18/09	0 - 0.5	-	ND<0.030	ND<0.12	ND<0.030	ND<0.030	-	-	ND<0.030	ND<0.030	-	ND<0.030	ND<0.030	ND<0.030	-	-	-	ND<0.030	ND<0.030	ND<0.030	-
SB-11	06/10/09	0 - 0.5	-	ND<0.0025	ND<0.0099	ND<0.0025	ND<0.0025	-	-	ND<0.0025	ND<0.0025	-	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	ND<0.0025	ND<0.0025	ND<0.0025	-
SS-1	11/27/12	0 - 0.5	ND<0.57	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.57	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	0.022JB
SS-2	11/27/12	0 - 0.5	ND<0.53	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.53	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	0.022JB
SS-3	11/27/12	0 - 0.5	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-4	11/27/12	0 - 0.5	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-5	11/27/12	0 - 0.5	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-6	11/27/12	0 - 0.5	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.45
SS-7	11/27/12	0 - 0.5	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.45
SS-8	11/27/12	0 - 0.5	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-9	11/27/12	0 - 0.5	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.45
SS-10	11/27/12	0 - 0.5	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-11	11/27/12	0 - 0.5	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-12	11/28/12	0 - 0.5	ND<0.46	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.46	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092	0.025 J	ND<0.37
SS-13	11/28/12	0 - 0.5	ND<0.48	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.48	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.39
SS-14	11/28/12	0 - 0.5	ND<0.49	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.49	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.39
SS-15	11/27/12	0 - 0.5	ND<0.54	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	0.044JB
SS-16	11/27/12	0 - 0.5	ND<0.58	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.58	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.46
SS-17	11/27/12	0.5 - 1.0	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-18	11/27/12	0.5 - 1.0	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.44
SS-19	11/27/12	0.5 - 1.0	ND<0.54	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.54	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.43
JCSL SLV			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

NOTES:

- VOCs = Volatile Organic Carbons
- ND<5 = not detected at or above stated laboratory detection limit
- NE = not established
- mg/kg = milligrams per kilogram
- B = Compound was found in the blank and sample.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * = LCS or LCSD exceeds the control limits
- P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- ^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
- = not analyzed

TABLE 2F - VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)																		
Sample ID	Date	Sample Depth	2-Hexanone	Isopropylbenzene	p-Isopropyltoluene	4-Methyl-2-pentanone	Methyl tert-butyl ether	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane
SB-1	11/18/09	0 - 0.5	ND<0.013	ND<0.013	-	ND<0.013	ND<0.0032	0.00026	-	-	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032	-	-	ND<0.0032	ND<0.0032	ND<0.0032	ND<0.0032
SB-2	06/10/09	0 - 0.5	ND<2.4	ND<0.24	-	ND<2.4	ND<0.060	ND<0.24	-	-	ND<0.060	ND<0.060	ND<0.060	ND<0.060	ND<0.060		-	ND<0.060	ND<0.060	ND<0.060	ND<0.060
SB-2	11/18/09	0 - 0.5	ND<1.1	0.13	-	ND<1.1	ND<0.028	ND<0.11	-	-	ND<0.028	ND<0.028	ND<0.028	0.017	0.041	-	-	ND<0.028	ND<0.028	0.016	ND<0.028
SB-3	06/10/09	0 - 0.5	ND<0.008	ND<0.008	-	ND<0.008	ND<0.002	ND<0.004	-	-	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	-	-	ND<0.002	ND<0.002	ND<0.002	ND<0.002
SB-4	06/10/09	0 - 0.5	ND<1.4	ND<0.14	-	ND<1.4	ND<0.033	ND<0.14	-	-	ND<0.033	ND<0.033	ND<0.033	ND<0.033	ND<0.033	-	-	ND<0.033	ND<0.033	ND<0.033	ND<0.033
SB-5	06/10/09	0 - 0.5	ND<0.0081	ND<0.0081	-	ND<0.0081	ND<0.0021	ND<0.0041	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021
SB-6	06/10/09	0 - 0.5	ND<1.1	ND<0.11	-	ND<1.1	ND<0.028	ND<0.11	-	-	ND<0.028	ND<0.028	ND<0.028	ND<0.028	ND<0.028	-	-	ND<0.028	ND<0.028	ND<0.028	ND<0.028
SB-7	06/10/09	0 - 0.5	ND<0.0095	ND<0.0095	-	ND<0.0095	ND<0.0024	ND<0.0048	-	-	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	-	-	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024
SB-8	06/10/09	0 - 0.5	ND<0.0083	ND<0.0083	-	ND<0.0083	ND<0.0021	ND<0.0042	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	-	-	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021
SB-9	11/18/09	0 - 0.5	ND<1.2	ND<0.12	-	ND<1.2	0.019	0.12	-	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030	0.016	-	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030
SB-10	11/18/09	0 - 0.5	ND<1.2	ND<0.12	-	ND<1.2	0.019	0.12	-	-	0.0047	ND<0.030	ND<0.030	ND<0.030	0.014	-	-	ND<0.030	ND<0.030	ND<0.030	ND<0.030
SB-11	06/10/09	0 - 0.5	ND<0.0099	ND<0.0099	-	ND<0.0099	ND<0.0025	ND<0.005	-	-	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025
SS-1	11/27/12	0 - 0.5	ND<1.1	ND<0.23	ND<0.23	ND<0.57*	ND<0.11	ND<0.57	ND<0.23	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.57	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-2	11/27/12	0 - 0.5	ND<1.1	ND<0.21	ND<0.21	ND<0.53*	ND<0.11	ND<0.53	ND<0.21	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.53	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-3	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.55*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-4	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.55*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-5	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-6	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-7	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-8	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.55*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-9	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-10	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-11	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.56*	ND<0.11	ND<0.56	ND<0.22	ND<0.11	0.072 J	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-12	11/28/12	0 - 0.5	ND<0.92	0.075 J	0.043 J	ND<0.46	ND<0.092	ND<0.46	ND<0.18	0.43	0.10	ND<0.092	ND<0.092	ND<0.092	0.020 J	ND<0.46	ND<0.092	ND<0.092	ND<0.092	ND<0.092	ND<0.092
SS-13	11/28/12	0 - 0.5	ND<0.96	ND<0.19	ND<0.19	ND<0.48	ND<0.096	ND<0.48	ND<0.19	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.48	ND<0.096	ND<0.096	ND<0.096	ND<0.096	ND<0.096
SS-14	11/28/12	0 - 0.5	ND<0.97	ND<0.19	ND<0.19	ND<0.49	ND<0.097	ND<0.49	ND<0.19	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.49	ND<0.097	ND<0.097	ND<0.097	ND<0.097	ND<0.097
SS-15	11/27/12	0 - 0.5	ND<1.1	ND<0.22	ND<0.22	ND<0.54*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-16	11/27/12	0 - 0.5	ND<1.2	ND<0.23	ND<0.23	ND<0.58*	ND<0.12	ND<0.58	ND<0.23	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.58	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12
SS-17	11/27/12	0.5 - 1.0	ND<1.1	ND<0.22	ND<0.22	ND<0.55*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-18	11/27/12	0.5 - 1.0	ND<1.1	ND<0.22	ND<0.22	ND<0.55*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
SS-19	11/27/12	0.5 - 1.0	ND<1.1	ND<0.22	ND<0.22	ND<0.54*	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
JSCS SLV			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.5	NE	NE	NE	NE	NE	2.1	NE

NOTES:

VOCs = Volatile Organic Carbons

ND<5 = not detected at or above stated laboratory detection limit

NE = not established

mg/kg = milligrams per kilogram

B = Compound was found in the blank and sample.

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

* = LCS or LCSD exceeds the control limits

P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

- = not analyzed

TABLE 2F - VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)												
Sample ID	Date	Sample Depth	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	1,2-Dichlorobenzene	Acrylonitrile	trans-1,4-Dichloro-2-butene	Vinyl Acetate	2-Chloroethyl Vinyl Ether	Acrolein	Iodomethane
SB-1	11/18/09	0 - 0.5	ND<0.0032	-	-	ND<0.0032	ND<0.0032	ND<0.0032	-	ND<0.013	ND<0.013	ND<0.013	ND<0.0064	ND<0.064	ND<0.013
SB-2	06/10/09	0 - 0.5	ND<0.060	-	-	ND<0.060	0.40	0.55	-	ND<2.4	ND<1.2	ND<0.60	ND<0.60	ND<2.4	ND<0.60
SB-2	11/18/09	0 - 0.5	ND<0.028	-	-	ND<0.028	1.1	0.82	-	ND<1.1	ND<0.55	ND<0.28	ND<0.28	ND<1.1	ND<0.28
SB-3	06/10/09	0 - 0.5	ND<0.002	-	-	ND<0.002	0.0026	0.0088	-	ND<0.008	ND<0.008	ND<0.008	ND<0.004	ND<0.040	ND<0.008
SB-4	06/10/09	0 - 0.5	ND<0.033	-	-	ND<0.033	ND<0.033	ND<0.033	-	ND<1.4	ND<0.66	ND<0.33	ND<0.33	ND<1.4	ND<0.33
SB-5	06/10/09	0 - 0.5	ND<0.0021	-	-	ND<0.0021	ND<0.0021	ND<0.0021	-	ND<0.0081	ND<0.0081	ND<0.0081	ND<0.0041	ND<0.041	ND<0.0081
SB-6	06/10/09	0 - 0.5	ND<0.028	-	-	ND<0.028	ND<0.028	ND<0.028	-	ND<1.1	ND<0.55	ND<0.28	ND<0.28	ND<1.1	ND<0.28
SB-7	06/10/09	0 - 0.5	ND<0.0024	-	-	ND<0.0024	ND<0.0024	ND<0.0024	-	ND<0.0095	ND<0.0095	ND<0.0095	ND<0.0048	ND<0.048	ND<0.0095
SB-8	06/10/09	0 - 0.5	ND<0.0021	-	-	ND<0.0021	ND<0.0021	ND<0.0021	-	ND<0.0083	ND<0.0083	ND<0.0083	ND<0.0042	ND<0.042	ND<0.0083
SB-9	11/18/09	0 - 0.5	ND<0.030	-	-	ND<0.030	ND<0.030	ND<0.030	-	ND<1.2	ND<0.60	ND<0.30	ND<0.30	ND<1.2	ND<0.30
SB-10	11/18/09	0 - 0.5	ND<0.030	-	-	ND<0.030	ND<0.030	ND<0.030	-	ND<1.2	ND<0.60	ND<0.30	ND<0.30	ND<1.2	ND<0.30
SB-11	06/10/09	0 - 0.5	ND<0.0025	-	-	ND<0.0025	ND<0.0025	ND<0.0025	-	ND<0.0099	ND<9.9	ND<0.0099	ND<0.005	ND<0.050	ND<0.009
SS-1	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.57	ND<0.23	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-2	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.53	ND<0.21	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-3	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-4	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-5	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-6	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.56	0.052 J	0.038 J	ND<0.11	-	-	-	-	-	-
SS-7	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-8	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-9	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-10	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-11	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.56	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-12	11/28/12	0 - 0.5	ND<0.092	2.0	1.1	ND<0.46	ND<0.18	0.029 J	ND<0.092	-	-	-	-	-	-
SS-13	11/28/12	0 - 0.5	ND<0.096	ND<0.096	ND<0.096	ND<0.48	ND<0.19	ND<0.096	ND<0.096	-	-	-	-	-	-
SS-14	11/28/12	0 - 0.5	ND<0.097	ND<0.097	ND<0.097	ND<0.49	ND<0.19	ND<0.097	ND<0.097	-	-	-	-	-	-
SS-15	11/27/12	0 - 0.5	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-16	11/27/12	0 - 0.5	ND<0.12	ND<0.12	ND<0.12	ND<0.58	ND<0.23	ND<0.12	ND<0.12	-	-	-	-	-	-
SS-17	11/27/12	0.5 - 1.0	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-18	11/27/12	0.5 - 1.0	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
SS-19	11/27/12	0.5 - 1.0	ND<0.11	ND<0.11	ND<0.11	ND<0.55	ND<0.22	ND<0.11	ND<0.11	-	-	-	-	-	-
JSCS SLV			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

NOTES:
VOCs = Volatile Organic Carbons
ND<5 = not detected at or above stated laboratory detection limit
NE = not established
mg/kg = milligrams per kilogram
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
- = not analyzed

TABLE 2G - SEMI VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)																
Sample ID	Date	Sample Depth	Phenol	Bis(2-chloroethyl)ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzyl alcohol	1,2-Dichlorobenzene	2-Methylphenol	3 & 4 Methylphenol	N-Nitrosodi-n-propylamine	Hexachloroethane	Nitrobenzene	Isophrone	2-Nitrophenol	2,4-Dimethylphenol	Benzoic Acid	
SB-1	06/10/09	0 - 0.5	ND<0.17	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.11	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.27	ND<1.1	
DUP-1	06/10/09	-	ND<0.17	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<1.1	
SB-2	06/10/09	0 - 0.5	ND<0.17	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<1.1	
SB-2	06/10/09	3.5 - 4	ND<0.081	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.054	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.14	ND<0.54	
SB-3	06/10/09	0 - 0.5	ND<0.18	ND<0.058	ND<0.058	0.063	ND<0.058	ND<0.12	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.29	ND<1.2	
SB-3	06/10/09	3.5 - 4	ND<0.020	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.014	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.033	ND<0.14	
SB-4	06/10/09	0 - 0.5	ND<0.20	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.13	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.32	ND<1.3	
SB-4	06/10/09	3.5 - 4	ND<0.018	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.012	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.030	ND<0.12	
SB-5	06/10/09	0 - 0.5	ND<0.017	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.029	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	0.0072	ND<0.0057	ND<0.0057	ND<0.12	
SB-6	06/10/09	0 - 0.5	ND<0.017	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.012	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.028	ND<0.12	
SB-7	06/10/09	0 - 0.5	ND<0.017	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.027	ND<0.11	
SB-8	06/10/09	0 - 0.5	ND<0.017	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.027	ND<0.11	
SB-9	11/18/09	0 - 0.5	ND<0.017	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.012	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.028	ND<0.12	
SB-9	11/18/09	3.5 - 4	ND<0.016	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.11	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.027	ND<0.11	
SB-10	11/18/09	0 - 0.5	0.002	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.027	ND<11	
SB-10	11/18/09	3.5 - 4	ND<0.016	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.11	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.027	ND<0.11	
SB-11	06/10/09	0 - 0.5	ND<0.17	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.28	ND<1.1	
SS-1	11/27/12	0 - 0.5	ND<0.053	ND<0.053	ND<0.053	ND<0.027	ND<0.027	ND<0.053	ND<0.029	ND<0.053	ND<0.11	ND<0.053	ND<0.053	ND<0.053	ND<0.053	ND<0.053	ND<0.053	ND<1.3	
SS-2	11/27/12	0 - 0.5	ND<0.10	ND<0.10	ND<0.10	ND<0.052	ND<0.052	ND<0.10	ND<0.057	ND<0.10	ND<0.21	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.6	
SS-3	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0071 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.26	
SS-4	11/27/12	0 - 0.5	ND<0.010	ND<0.010	ND<0.010	ND<0.0052	ND<0.0052	0.0047 JB	ND<0.0057	ND<0.010	ND<0.021	ND<0.010	ND<0.010	ND<0.010	0.0012J	ND<0.010	ND<0.010	ND<0.26	
SS-5	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0051 JB	ND<0.0059	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.27	
SS-6	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.029 B	ND<0.0059	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	0.0026 J	ND<0.27	
SS-7	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.011	ND<0.0054	ND<0.0054	0.0051 JB	ND<0.0059	ND<0.011	ND<0.022	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.27	
SS-8	11/27/12	0 - 0.5	0.039	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0071 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.26	
SS-9	11/27/12	0 - 0.5	0.077	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0068 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	0.12 J	
SS-10	11/27/12	0 - 0.5	0.017	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0094 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	0.089 J	
SS-11	11/27/12	0 - 0.5	0.0099 J	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.34 B	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	0.0061 J	ND<0.011	ND<0.011	0.084 J	
SS-12	11/28/12	0 - 0.5	ND<0.021	ND<0.021	ND<0.021	ND<0.011	ND<0.011	0.015 JB	0.0059 J	ND<0.021	ND<0.043	ND<0.021	ND<0.021	ND<0.021	0.051	ND<0.021	ND<0.021	0.28 J	
SS-13	11/28/12	0 - 0.5	0.15	ND<0.11	ND<0.11	ND<0.056	ND<0.056	ND<0.11	ND<0.062	ND<0.11	ND<0.22	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<2.8	
SS-14	11/28/12	0 - 0.5	0.18	ND<0.022	ND<0.022	ND<0.011	0.011	0.036 B	ND<0.012	ND<0.022	ND<0.044	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.022	0.48 J	
SS-15	11/27/12	0 - 0.5	0.023	ND<0.010	ND<0.010	ND<0.0052	ND<0.0052	0.014 B	ND<0.0057	ND<0.010	ND<0.021	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.26	
SS-16	11/27/12	0 - 0.5	0.017	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.011 B	ND<0.0059	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.27	
SS-17	11/27/12	0.5 - 1.0	ND<0.10	ND<0.10	ND<0.10	ND<0.052	ND<0.052	ND<0.10	ND<0.057	ND<0.10	ND<0.21	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.6	
SS-18	11/27/12	0.5 - 1.0	ND<0.011	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0066 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.26	
SS-19	11/27/12	0.5 - 1.0	0.0064 J	ND<0.011	ND<0.011	ND<0.0053	ND<0.0053	0.0088 JB	ND<0.0058	ND<0.011	ND<0.021	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.011	ND<0.26	
JSCS SLV			0.05	NE	NE	0.3	0.3	NE	1.7	NE	NE	NE	NE	NE	NE	NE	NE	NE	

NOTES:

SVOCs = Semi-volatile Organic Carbons
ND<5 = not detected at or above stated laboratory detection limit
NE = not established
mg/kg = milligrams per kilogram
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 2G - SEMI VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)																
Sample ID	Date	Sample Depth	Bis(2-chloroethoxy)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethyl phthalate	Acenaphthylene	2,6-Dinitrotoluene	
SB-1	06/10/09	0 - 0.5	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.29	ND<0.054	ND<0.054	ND<0.054	ND<0.11	ND<0.054	ND<0.054	ND<0.054	
DUP-1	06/10/09	-	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.29	ND<0.055	ND<0.055	ND<0.055	ND<0.11	ND<0.055	ND<0.055	ND<0.055	
SB-2	06/10/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	0.25	ND<0.055	ND<0.055	ND<0.055	1.1	ND<0.29	ND<0.055	ND<0.055	ND<0.055	ND<0.11	ND<0.055	ND<0.055	ND<0.055	
SB-2	06/10/09	3.5 - 4	ND<0.027	ND<0.027	0.16	0.061	ND<0.027	ND<0.027	ND<0.027	0.62	ND<0.15	ND<0.027	ND<0.027	ND<0.027	ND<0.054	ND<0.027	ND<0.027	ND<0.027	
SB-3	06/10/09	0 - 0.5	ND<0.058	ND<0.058	0.2	0.41	ND<0.058	ND<0.058	ND<0.058	4.8	ND<0.29	ND<0.058	ND<0.058	ND<0.64	ND<0.12	ND<0.058	ND<0.058	ND<0.90	
SB-3	06/10/09	3.5 - 4	ND<0.0066	ND<0.0066	0.017	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	0.12	ND<0.033	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.014	ND<0.0066	ND<0.0066	ND<0.0066	
SB-4	06/10/09	0 - 0.5	ND<0.064	ND<0.064	0.083	ND<0.064	ND<0.064	ND<0.064	ND<0.064	0.53	ND<0.32	ND<0.064	ND<0.064	ND<0.064	ND<0.13	ND<0.064	ND<0.064	ND<0.064	
SB-4	06/10/09	3.5 - 4	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.030	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.012	ND<0.0060	ND<0.0060	ND<0.0060	
SB-5	06/10/09	0 - 0.5	ND<0.0057	ND<0.0057	ND<0.0057	0.0064	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.029	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.012	ND<0.0057	ND<0.0057	ND<0.0057	
SB-6	06/10/09	0 - 0.5	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.029	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.012	ND<0.0056	ND<0.0056	ND<0.0056	
SB-7	06/10/09	0 - 0.5	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.029	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	
SB-8	06/10/09	0 - 0.5	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.029	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	ND<0.0054	ND<0.0054	ND<0.0054	
SB-9	11/18/09	0 - 0.5	ND<0.0056	ND<0.0056	ND<0.0056	0.0089	ND<0.0056	ND<0.0056	ND<0.0056	0.003	ND<0.029	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.012	0.0014	0.018	ND<0.0056	
SB-9	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.029	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.0053	ND<0.0053	ND<0.0053	
SB-10	11/18/09	0 - 0.5	ND<0.0054	ND<0.0054	ND<0.0054	0.017	ND<0.0054	ND<0.0054	ND<0.0054	0.0081	ND<0.029	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.011	0.0035	0.028	ND<0.0054	
SB-10	11/18/09	3.5 - 4	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.029	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.0053	ND<0.0053	ND<0.0053	
SB-11	06/10/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.29	ND<0.055	ND<0.055	ND<0.055	ND<0.11	ND<0.055	ND<0.055	ND<0.055	
SS-1	11/27/12	0 - 0.5	ND<0.053	ND<0.053	ND<0.027	ND<0.011	ND<0.053	ND<0.027	ND<0.053	ND<0.011	ND<0.053	ND<0.080	ND<0.053	ND<0.011	ND<0.053	ND<0.053	ND<0.011	ND<0.053	
SS-2	11/27/12	0 - 0.5	ND<0.10	ND<0.10	ND<0.052	ND<0.021	ND<0.10	ND<0.052	ND<0.10	ND<0.021	ND<0.10	ND<0.16	ND<0.10	ND<0.021	ND<0.10	0.18	ND<0.021	ND<0.10	
SS-3	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0035	ND<0.011	ND<0.0053	ND<0.011	0.007	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.0089 J	0.0059	ND<0.011	
SS-4	11/27/12	0 - 0.5	ND<0.010	ND<0.010	ND<0.0052	ND<0.0021	ND<0.010	ND<0.0052	ND<0.010	ND<0.0021	ND<0.010	ND<0.016	0.0068 J	ND<0.0021	ND<0.010	ND<0.010	0.00071 J	ND<0.010	
SS-5	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0017 J	ND<0.011	ND<0.0053	ND<0.011	0.0013 J	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.0057 J	0.0031	ND<0.011	
SS-6	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0041	0.019	ND<0.0053	ND<0.011	0.0063	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.027	0.0044	ND<0.011	
SS-7	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0054	ND<0.0022	ND<0.011	ND<0.0054	ND<0.011	0.0013 J	ND<0.011	ND<0.016	ND<0.011	ND<0.0022	ND<0.011	0.0059 J	0.0011 J	ND<0.011	
SS-8	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0023	0.0044 J	ND<0.0053	ND<0.011	0.0016 J	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.0047 J	0.0028	ND<0.011	
SS-9	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0072	ND<0.011	ND<0.0053	ND<0.011	0.0068	ND<0.011	0.0016 J	ND<0.011	ND<0.0021	ND<0.011	0.42	0.0011 J	ND<0.011	
SS-10	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.008	0.0024 J	ND<0.0053	ND<0.011	0.0042	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.065	0.0016 J	ND<0.011	
SS-11	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0036	ND<0.011	ND<0.0053	ND<0.011	0.0024	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.019	0.0026	ND<0.011	
SS-12	11/28/12	0 - 0.5	ND<0.021	0.014 J	ND<0.011	0.011	ND<0.021	ND<0.011	ND<0.021	0.015	ND<0.021	0.0052 J	0.0082 J	ND<0.0043	ND<0.021	0.23	0.025	ND<0.021	
SS-13	11/28/12	0 - 0.5	ND<0.11	ND<0.11	0.025 J	0.024	ND<0.11	ND<0.056	ND<0.11	0.021 J	ND<0.11	0.036 J	ND<0.11	ND<0.022	ND<0.11	0.39	0.032	ND<0.11	
SS-14	11/28/12	0 - 0.5	ND<0.022	ND<0.022	ND<0.011	0.013	ND<0.022	ND<0.011	ND<0.022	0.012	ND<0.022	ND<0.033	ND<0.022	ND<0.0044	ND<0.022	1.9	0.0057	ND<0.022	
SS-15	11/27/12	0 - 0.5	ND<0.010	ND<0.010	ND<0.0052	0.0093	ND<0.010	ND<0.0052	ND<0.010	0.0049	ND<0.010	ND<0.015	ND<0.010	ND<0.0021	ND<0.010	0.084	0.0017 J	ND<0.010	
SS-16	11/27/12	0 - 0.5	ND<0.011	ND<0.011	ND<0.0053	0.0071	0.0031 J	ND<0.0053	ND<0.011	0.0032	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.15	0.0010 J	ND<0.011	
SS-17	11/27/12	0.5 - 1.0	ND<0.10	ND<0.10	ND<0.052	ND<0.021	ND<0.10	ND<0.052	ND<0.10	ND<0.021	ND<0.10	ND<0.16	ND<0.10	ND<0.021	ND<0.10	ND<0.10	ND<0.021	ND<0.10	
SS-18	11/27/12	0.5 - 1.0	ND<0.011	ND<0.011	ND<0.0053	0.0031	ND<0.011	ND<0.0053	ND<0.011	0.0017 J	ND<0.011	ND<0.016	ND<0.011	ND<0.0021	ND<0.011	0.02	0.0014 J	ND<0.011	
SS-19	11/27/12	0.5 - 1.0	ND<0.011	0.0045 J	ND<0.0053	0.0036	ND<0.011	ND<0.0053	ND<0.011	0.004	ND<0.011	ND<0.016	0.0034 J	ND<0.0021	ND<0.011	0.036	0.0051	ND<0.011	
JSCS SLV			NE	NE	9.2	0.561	NE	0.6	NE	0.2	0.4	NE	NE	NE	NE	NE	0.2	NE	

NOTES:

- SVOCs = Semi-volatile Organic Carbons
- ND<5 = not detected at or above stated laboratory detection limit
- NE = not established
- mg/kg = milligrams per kilogram
- B = Compound was found in the blank and sample.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- * = LCS or LCSD exceeds the control limits
- P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- ^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 2G - SEMI VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

Analytes (mg/kg)																
Sample ID	Date	Sample Depth	3-Nitroaniline	Acenaphthene	2,4-Dinitrophenol	4-Nitrophenol	Dibenzofuran	2,4-Dinitrotoluene	Diethyl phthalate	4-Chlorophenyl phenyl ether	Fluorene	4-Nitroaniline	4,6-Dinitro-2-methylphenol	N-Nitrosodimethylamine	4-Bromophenyl phenyl ether	Hexachlorobenzene
SB-1	06/10/09	0 - 0.5	ND<0.11	ND<0.054	ND<1.1	ND<0.54	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.11	ND<0.54	ND<0.27	ND<0.054	ND<0.054
DUP-1	06/10/09	-	ND<0.11	ND<0.055	ND<1.1	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.11	ND<0.55	ND<0.28	ND<0.055	ND<0.055
SB-2	06/10/09	0 - 0.5	ND<0.11	0.067	ND<1.1	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	0.12	ND<0.11	ND<0.55	ND<0.28	ND<0.055	ND<0.055
SB-2	06/10/09	3.5 - 4	ND<0.054	0.20	ND<0.54	ND<0.27	ND<0.092	ND<0.027	ND<0.027	ND<0.027	0.43	ND<0.054	ND<0.27	ND<0.14	ND<0.027	ND<0.027
SB-3	06/10/09	0 - 0.5	ND<0.12	0.1	ND<1.2	ND<0.58	0.092	ND<0.47	ND<0.058	ND<0.058	0.29	ND<0.12	ND<0.58	ND<0.29	ND<0.058	ND<0.058
SB-3	06/10/09	3.5 - 4	ND<0.014	0.0067	ND<0.14	ND<0.066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	0.014	ND<0.014	ND<0.066	ND<0.033	ND<0.0066	ND<0.0066
SB-4	06/10/09	0 - 0.5	ND<0.13	0.14	ND<1.3	ND<0.64	ND<0.064	ND<0.064	ND<0.064	ND<0.064	0.58	ND<0.13	ND<0.64	ND<0.32	ND<0.064	ND<0.064
SB-4	06/10/09	3.5 - 4	ND<0.012	ND<0.0060	ND<0.12	ND<0.060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	0.021	ND<0.012	ND<0.060	ND<0.030	ND<0.0060	ND<0.0060
SB-5	06/10/09	0 - 0.5	ND<0.012	ND<0.0057	ND<0.12	ND<0.057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	0.039	ND<0.057	ND<0.029	ND<0.0057	ND<0.0057
SB-6	06/10/09	0 - 0.5	ND<0.012	ND<0.0056	ND<0.12	ND<0.056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.0056	ND<0.012	ND<0.056	ND<0.028	ND<0.0056	ND<0.0056
SB-7	06/10/09	0 - 0.5	ND<0.011	ND<0.0054	ND<0.11	ND<0.054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	0.033	ND<0.054	ND<0.027	ND<0.0054	ND<0.0054
SB-8	06/10/09	0 - 0.5	ND<0.011	ND<0.0054	ND<0.11	ND<0.054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	0.017	ND<0.054	ND<0.027	ND<0.0054	ND<0.0054
SB-9	11/18/09	0 - 0.5	ND<0.012	ND<0.0056	ND<0.12	ND<0.056	0.0016	ND<0.0056	ND<0.0056	ND<0.0056	0.0025	ND<0.012	ND<0.056	-	ND<0.0056	ND<0.0056
SB-9	11/18/09	3.5 - 4	ND<0.011	ND<0.0053	ND<1.1	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053
SB-10	11/18/09	0 - 0.5	ND<0.011	0.011	ND<1.1	ND<0.054	0.0049	ND<0.0054	ND<0.0054	ND<0.0054	0.0097	0.011	ND<0.054	-	ND<0.0054	ND<0.0054
SB-10	11/18/09	3.5 - 4	ND<0.011	ND<0.0053	ND<1.1	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053
SB-11	06/10/09	0 - 0.5	ND<0.11	ND<0.055	ND<1.1	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.11	ND<0.55	ND<0.28	ND<0.055	ND<0.055
SS-1	11/27/12	0 - 0.5	ND<0.053*	ND<0.011	ND<0.53*	ND<0.53	ND<0.053	ND<0.053	ND<0.11	ND<0.053	ND<0.011	ND<0.053	ND<0.53	ND<0.027	ND<0.053	ND<0.027
SS-2	11/27/12	0 - 0.5	ND<0.10*	0.0092 J	ND<1.0	ND<1.0	ND<0.10	ND<0.10	ND<0.21	ND<0.10	0.0059 J	ND<0.10	ND<1.0	ND<0.052	ND<0.10	ND<0.052
SS-3	11/27/12	0 - 0.5	ND<0.011*	0.01	ND<0.11*	ND<0.11	0.0048 J	ND<0.011	ND<0.021	ND<0.011	0.0082	0.029	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-4	11/27/12	0 - 0.5	ND<0.010*	ND<0.0021	ND<0.10*	ND<0.10	ND<0.010	ND<0.010	ND<0.021	ND<0.010	ND<0.0021	0.0081 J	ND<0.10	ND<0.0052	ND<0.010	ND<0.0052
SS-5	11/27/12	0 - 0.5	ND<0.011*	0.00081 J	ND<0.11*	ND<0.11	0.00069 J	ND<0.011	ND<0.021	ND<0.011	ND<0.0021	0.023	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-6	11/27/12	0 - 0.5	ND<0.011*	0.0011 J	ND<0.11*	ND<0.11	0.0022 J	ND<0.011	0.0022 J	ND<0.011	0.0031	0.079	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-7	11/27/12	0 - 0.5	ND<0.011*	ND<0.0022	ND<0.11*	ND<0.11	ND<0.011	ND<0.011	ND<0.022	ND<0.011	ND<0.0022	0.0082 J	ND<0.11	ND<0.0054	ND<0.011	ND<0.0054
SS-8	11/27/12	0 - 0.5	ND<0.011*	0.00059 J	ND<0.11*	ND<0.11	0.00081 J	ND<0.011	ND<0.021	ND<0.011	0.00078 J	0.14	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-9	11/27/12	0 - 0.5	ND<0.011*	ND<0.0021	ND<0.11*	ND<0.11	0.0020 J	ND<0.011	0.0064 J	ND<0.011	0.00088 J	0.010 J	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-10	11/27/12	0 - 0.5	ND<0.011*	0.0009 J	ND<0.11*	ND<0.11	0.0025 J	ND<0.011	0.0023 J	ND<0.011	0.0012 J	0.010 J	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-11	11/27/12	0 - 0.5	ND<0.011*	0.0011 J	ND<0.11*	ND<0.11	ND<0.011	ND<0.011	0.0050 J	ND<0.011	ND<0.0021	ND<0.011	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-12	11/28/12	0 - 0.5	ND<0.021*	0.0027 J	ND<0.21*	ND<0.21	ND<0.021	ND<0.021	ND<0.043	ND<0.021	ND<0.0043	ND<0.021	ND<0.21	0.05	ND<0.021	0.034
SS-13	11/28/12	0 - 0.5	ND<0.11*	0.017 J	ND<0.11*	ND<1.1	0.011 J	ND<0.11	ND<0.22	ND<0.11	0.016 J	ND<0.11	ND<1.1	ND<0.056	ND<0.11	0.029 J
SS-14	11/28/12	0 - 0.5	ND<0.022*	0.061	ND<0.022*	ND<0.022	0.011 J	ND<0.022	ND<0.044	ND<0.022	0.018	ND<0.022	ND<0.022	ND<0.011	ND<0.022	ND<0.011
SS-15	11/27/12	0 - 0.5	ND<0.010*	0.0011 J	ND<0.10*	ND<0.10	0.0025 J	ND<0.010	ND<0.021	ND<0.010	0.0018 J	ND<0.010	ND<0.10	ND<0.0052	ND<0.010	ND<0.0052
SS-16	11/27/12	0 - 0.5	ND<0.011*	0.0012 J	ND<0.11*	ND<0.11	0.0017 J	ND<0.011	ND<0.021	ND<0.011	0.0013 J	0.012	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-17	11/27/12	0.5 - 1.0	ND<0.10*	ND<0.21	ND<1.0*	ND<1.0	ND<0.10	ND<0.10	0.034 J	ND<0.10	ND<0.021	ND<0.10	ND<1.0	ND<0.052	ND<0.10	ND<0.052
SS-18	11/27/12	0.5 - 1.0	ND<0.011*	0.0010 J	ND<0.11*	ND<0.11	0.00099 J	ND<0.011	0.0034 J	ND<0.011	0.00068 J	0.012	ND<0.11	ND<0.0053	ND<0.011	ND<0.0053
SS-19	11/27/12	0.5 - 1.0	ND<0.011*	0.00099 J	ND<0.11*	ND<0.11	0.0021 J	ND<0.011	0.0037 J	ND<0.011	0.0016 J	0.019	ND<0.11	ND<0.0053	ND<0.011	0.0016 J
JSCS SLV			NE	0.3	NE	NE	NE	NE	0.6	NE	0.536	NE	NE	NE	NE	0.019

NOTES:

SVOCs = Semi-volatile Organic Carbons
ND<5 = not detected at or above stated laboratory detection limit
NE = not established
mg/kg = milligrams per kilogram
RBC¹ = Generic risk based concentrations, Soil Ingestion, Dermal Contact, and Inhalation - construction worker
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 2G - SEMI VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results
Myers Container
Portland, Oregon

			Analytes (mg/kg)															
Sample ID	Date	Sample Depth	Pentachlorophenol	Phenanthrene	Anthracene	Di-n-butyl phthalate	Fluoranthene	Pyrene	Butyl benzyl phthalate	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	Bis(2-ethylhexyl)phthalate	Di-n-octyl phthalate	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
SB-1	06/10/09	0 - 0.5	ND<0.54	ND<0.054	ND<0.054	ND<0.11	ND<0.054	ND<0.054	ND<0.054	ND<0.54	ND<0.054	ND<0.054	ND<0.54	ND<0.054	ND<0.054	ND<0.054	ND<0.054	ND<0.054
DUP-1	06/10/09	-	ND<0.55	ND<0.055	ND<0.055	ND<0.11	ND<0.055	ND<0.055	ND<0.055	ND<0.55	ND<0.055	ND<0.055	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SB-2	06/10/09	0 - 0.5	ND<0.55	0.25	ND<0.055	0.3	0.14	0.19	ND<0.055	ND<0.55	ND<0.055	0.085	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SB-2	06/10/09	3.5 - 4	ND<0.27	1.3	ND<0.027	0.071	ND<0.027	0.034	ND<0.027	ND<0.27	ND<0.027	ND<0.027	0.38	ND<0.027	ND<0.027	ND<0.027	ND<0.027	ND<0.027
SB-3	06/10/09	0 - 0.5	ND<0.58	0.5	ND<0.058	ND<0.12	0.13	0.23	ND<0.058	ND<0.58	0.061	0.12	ND<0.58	ND<0.058	ND<0.058	ND<0.058	ND<0.058	ND<0.058
SB-3	06/10/09	3.5 - 4	ND<0.066	0.035	ND<0.0066	ND<0.014	ND<0.0066	0.01	ND<0.0066	ND<0.066	ND<0.0066	ND<0.0066	0.54	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066	ND<0.0066
SB-4	06/10/09	0 - 0.5	ND<0.64	1.2	0.13	ND<0.13	0.16	0.35	ND<0.064	ND<0.64	0.073	0.12	ND<0.64	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064
SB-4	06/10/09	3.5 - 4	ND<0.060	0.039	ND<0.0060	ND<0.012	ND<0.0060	0.015	ND<0.0060	ND<0.060	ND<0.0060	ND<0.0060	ND<0.060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060	ND<0.0060
SB-5	06/10/09	0 - 0.5	ND<0.057	0.024	0.0063	ND<0.012	0.044	0.066	0.016	ND<0.057	0.019	0.035	0.11	ND<0.0057	0.032	0.034	0.0063	0.035
SB-6	06/10/09	0 - 0.5	ND<0.056	0.011	ND<0.0056	ND<0.012	0.018	0.024	ND<0.0056	ND<0.056	0.012	0.015	ND<0.056	ND<0.0056	0.015	0.015	ND<0.0056	0.015
SB-7	06/10/09	0 - 0.5	ND<0.054	ND<0.0054	ND<0.0054	ND<0.011	0.013	0.021	ND<0.0054	ND<0.054	0.0067	0.011	ND<0.054	ND<0.0054	0.015	0.016	ND<0.0054	0.017
SB-8	06/10/09	0 - 0.5	ND<0.054	ND<0.0054	ND<0.0054	ND<0.011	0.011	0.014	ND<0.0054	ND<0.054	0.0068	0.0071	0.072	ND<0.0054	0.011	0.011	ND<0.0054	0.012
SB-9	11/18/09	0 - 0.5	0.021	0.073	0.012	0.017	0.17	0.21	0.012	ND<0.056	0.057	0.093	0.08	ND<0.0056	0.11	0.12	0.016	0.13
SB-9	11/18/09	3.5 - 4	ND<0.053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-10	11/18/09	0 - 0.5	ND<0.054	0.16	0.046	0.016	0.33	0.38	0.0043	ND<0.054	0.21	0.23	0.023	ND<0.0054	0.23	0.18	0.037	0.18
SB-10	11/18/09	3.5 - 4	ND<0.053	ND<0.0053	ND<0.0053	ND<0.011	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
SB-11	06/10/09	0 - 0.5	ND<0.55	ND<0.055	ND<0.055	ND<0.11	ND<0.055	0.068	ND<0.055	ND<0.55	ND<0.055	ND<0.055	ND<0.55	ND<0.055	ND<0.055	ND<0.055	ND<0.055	ND<0.055
SS-1	11/27/12	0 - 0.5	ND<0.11	ND<0.011	ND<0.011	0.046 J	ND<0.011	ND<0.011	ND<0.11	ND<0.11*	ND<0.011	ND<0.013	0.26 JB	ND<0.27	ND<0.016	ND<0.021	ND<0.021	ND<0.013
SS-2	11/27/12	0 - 0.5	ND<0.21	ND<0.021	ND<0.021	ND<0.52	ND<0.021	0.053	ND<0.21	ND<0.21*	ND<0.021	0.043	0.27 JB	ND<0.52	ND<0.031	ND<0.042	ND<0.042	0.021 J
SS-3	11/27/12	0 - 0.5	0.021	0.023	0.01	0.020 J	0.033	0.044	0.034	ND<0.021*	0.015	0.022	0.10 B	ND<0.053	0.021	0.024	ND<0.0042	0.021
SS-4	11/27/12	0 - 0.5	0.010 J	0.0015 J	0.0011 J	ND<0.052	0.002 J	0.0024	0.0079 J	ND<0.021*	0.0011 J	0.0031	0.023 JB	ND<0.052	0.0013 J	0.0031 J	ND<0.0041	0.004
SS-5	11/27/12	0 - 0.5	0.014 J	0.0086	0.0034	0.012 J	0.022	0.027	0.018 J	ND<0.021*	0.012	0.02	0.098 B	ND<0.053	0.017	0.017	0.0030 J	0.012
SS-6	11/27/12	0 - 0.5	0.017 J	0.028	0.0095	0.094	0.04	0.053	0.05	ND<0.021*	0.019	0.034	0.20 B	ND<0.053	0.031	0.021	0.0035 J	0.019
SS-7	11/27/12	0 - 0.5	0.012 J	0.0029	0.0022	0.051 J	0.0086	0.01	0.039	ND<0.022*	0.0057	0.013	0.098 B	ND<0.054	0.007	0.0087	0.0018 J	0.0051
SS-8	11/27/12	0 - 0.5	0.012 J	0.0063	0.0032	0.014 J	0.019	0.025	0.041	ND<0.021*	0.011	0.019	0.18 B	0.045 J	0.021	0.017	0.0035 J	0.016
SS-9	11/27/12	0 - 0.5	0.014 J	0.0098	0.0028	0.23	0.021	0.027	0.51	ND<0.021*	0.017	0.028	2.8 B	1.7	0.026	0.017	0.0026 J	0.013
SS-10	11/27/12	0 - 0.5	0.011 J	0.015	0.0052	0.025 J	0.029	0.031	0.075	ND<0.021*	0.017	0.028	2.5 B	ND<0.053	0.015	0.013	0.0030 J	0.0099
SS-11	11/27/12	0 - 0.5	0.017 J	0.014	0.0056	0.030 J	0.037	0.046	0.14	ND<0.021*	0.048	0.03	11 B	0.023 J	0.024	0.025	0.0049 J	0.017
SS-12	11/28/12	0 - 0.5	0.93	0.061	0.035	0.15	0.17	0.26	2.9	ND<0.043*	0.11	0.15	4.5	ND<0.11	0.24	0.24	0.034	0.25
SS-13	11/28/12	0 - 0.5	0.45	0.15	0.042	0.17 J	ND<0.022	ND<0.022	0.94	ND<0.22*	0.15	0.22	2.7	ND<0.56	0.26	0.22	0.029 J	0.19
SS-14	11/28/12	0 - 0.5	0.11	0.22	0.055	0.4	0.51	0.54	1.6	ND<0.044*	0.32	0.45	3.3	3.6 E	0.58	0.53	0.11	0.37
SS-15	11/27/12	0 - 0.5	0.010 J	0.015	0.0056	0.024 J	0.029	0.031	0.13	ND<0.021*	0.021	0.044	2.2 B	0.067	0.031	0.019	0.0048	0.018
SS-16	11/27/12	0 - 0.5	0.010 J	0.0093	0.0033	0.015 J	0.015	0.016	0.11	ND<0.021*	0.0079	0.014	1.8 B	ND<0.053	0.0097	0.0055	0.0014 J	0.0065
SS-17	11/27/12	0.5 - 1.0	ND<0.21	0.0067 J	ND<0.021	ND<0.52	0.021	0.034	ND<0.21	ND<0.21*	0.014 J	0.04	0.067 JB	0.029 J	0.029 J	ND<0.042	ND<0.042	0.031
SS-18	11/27/12	0.5 - 1.0	0.012 J	0.0079	0.0024	0.0092 J	0.02	0.023	0.06	ND<0.021*	0.01	0.02	0.38 B	ND<0.053	0.013	0.0081	ND<0.0042	0.0091
SS-19	11/27/12	0.5 - 1.0	0.012 J	0.029	0.0057	0.023 J	0.065	0.08	0.04	ND<0.021*	0.025	0.045	0.25 B	ND<0.053	0.04	0.026	0.0032 J	0.024
JSCS SLV			0.25	1.17	0.845	0.06	2.23	1.52	NE	NE	1.05	1.29	0.33	NE	1.45	0.1	1.3	0.3

NOTES:

SVOCs = Semi-volatile Organic Carbons
ND<5 = not detected at or above stated laboratory detection limit
NE = not established
mg/kg = milligrams per kilogram
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 2G - SEMI VOLATILE ORGANIC COMPOUNDS

Surficial Soil Sampling Analytical Results

Myers Container

Portland, Oregon

			Analytes (mg/kg)							
Sample ID	Date	Sample Depth	Carbazole	Benzo(b)fluorant hene	Benzo(k)fluorant hene	2,2'-oxybis(1-chloropropane)	N-Nitrosodiphenylamine	Aniline	Bis(2-chloroisopropyl) Ether	2,3,4,6-Tetrachlorophenol
SB-1	06/10/09	0 - 0.5	ND<0.054	ND<0.054	ND<0.054	-	ND<0.054	ND<0.11	ND<0.054	ND<0.27
DUP-1	06/10/09	-	ND<0.055	ND<0.055	ND<0.055	-	ND<0.055	ND<0.11	ND<0.055	ND<0.28
SB-2	06/10/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	-	0.54	ND<0.11	ND<0.055	ND<0.28
SB-2	06/10/09	3.5 - 4	ND<0.027	ND<0.027	ND<0.027	-	ND<0.027	ND<0.054	ND<0.027	ND<0.027
SB-3	06/10/09	0 - 0.5	ND<0.058	ND<0.058	ND<0.058	-	ND<0.058	ND<0.12	ND<0.058	ND<0.29
SB-3	06/10/09	3.5 - 4	ND<0.0066	ND<0.0066	ND<0.0066	-	ND<0.0066	ND<0.014	ND<0.0066	ND<0.0066
SB-4	06/10/09	0 - 0.5	ND<0.064	ND<0.064	ND<0.064	-	ND<0.064	ND<0.13	ND<0.064	ND<0.32
SB-4	06/10/09	3.5 - 4	ND<0.0060	ND<0.0060	ND<0.0060	-	ND<0.0060	ND<0.012	ND<0.0060	ND<0.0060
SB-5	06/10/09	0 - 0.5	ND<0.0057	0.046	0.015	-	ND<0.0057	ND<0.012	ND<0.0057	ND<0.029
SB-6	06/10/09	0 - 0.5	ND<0.0056	0.019	ND<0.0056	-	ND<0.0056	ND<0.012	ND<0.0056	ND<0.028
SB-7	06/10/09	0 - 0.5	ND<0.0054	0.017	ND<0.0054	-	ND<0.0054	ND<0.011	ND<0.0054	ND<0.027
SB-8	06/10/09	0 - 0.5	ND<0.0054	0.011	ND<0.0054	-	ND<0.0054	ND<0.011	ND<0.0054	ND<0.027
SB-9	11/18/09	0 - 0.5	-	0.12	0.038	-	ND<0.0056	-	ND<0.0056	-
SB-9	11/18/09	3.5 - 4	-	ND<0.0053	ND<0.0053	-	ND<0.0053	-	ND<0.0053	-
SB-10	11/18/09	0 - 0.5	-	0.26	0.085	-	ND<0.0054	-	ND<0.0054	-
SB-10	11/18/09	3.5 - 4	-	ND<0.0053	ND<0.0053	-	ND<0.0053	-	ND<0.0053	-
SB-11	06/10/09	0 - 0.5	ND<0.055	ND<0.055	ND<0.055	-	ND<0.055	ND<0.11	ND<0.055	ND<0.28
SS-1	11/27/12	0 - 0.5	ND<0.053	ND<0.011	ND<0.013	ND<0.13	ND<0.53	ND<0.053*	-	-
SS-2	11/27/12	0 - 0.5	ND<0.10	ND<0.021	ND<0.026	ND<0.26	ND<1.0	ND<0.10 *	-	-
SS-3	11/27/12	0 - 0.5	ND<0.011	0.045	0.014 B	ND<0.026	ND<0.11	ND<0.011*	-	-
SS-4	11/27/12	0 - 0.5	ND<0.010	0.0035	0.0016 JB	ND<0.026	ND<0.10	ND<0.010*	-	-
SS-5	11/27/12	0 - 0.5	0.0016 J	0.041	0.012 B	ND<0.027	ND<0.11	ND<0.011*	-	-
SS-6	11/27/12	0 - 0.5	0.0035 J	0.075	0.020 B	ND<0.027	ND<0.11	ND<0.011*	-	-
SS-7	11/27/12	0 - 0.5	0.0010 J	0.027	0.0080 B	ND<0.027	ND<0.11	ND<0.011*	-	-
SS-8	11/27/12	0 - 0.5	0.0012 J	0.038	0.012 B	ND<0.026	ND<0.11	ND<0.011*	-	-
SS-9	11/27/12	0 - 0.5	0.0015 J	0.041	0.018 B	ND<0.027	ND<0.11	ND<0.011*	-	-
SS-10	11/27/12	0 - 0.5	0.0019 J	0.041	0.015 B	ND<0.026	ND<0.11	ND<0.011*	-	-
SS-11	11/27/12	0 - 0.5	ND<0.011	0.074	0.016 B	ND<0.026	ND<0.11	ND<0.011*	-	-
SS-12	11/28/12	0 - 0.5	ND<0.021	0.52	0.15	ND<0.054	ND<0.21	ND<0.021*	-	-
SS-13	11/28/12	0 - 0.5	ND<0.11	0.43	0.17	ND<0.28	ND<1.1	ND<0.11*	-	-
SS-14	11/28/12	0 - 0.5	0.029	1.4 E	0.58	ND<0.055	ND<0.22	ND<0.022*	-	-
SS-15	11/27/12	0 - 0.5	0.0024 J	0.065	0.019 B	ND<0.026	ND<0.10	ND<0.010*	-	-
SS-16	11/27/12	0 - 0.5	0.0014 J	0.019	0.0049 B	ND<0.027	ND<0.11	ND<0.011*	-	-
SS-17	11/27/12	0.5 - 1.0	ND<0.10	0.044	ND<0.026	ND<0.26	ND<1.0	ND<0.10 *	-	-
SS-18	11/27/12	0.5 - 1.0	0.00087 J	0.031	0.011 B	ND<0.026	ND<0.11	ND<0.011*	-	-
SS-19	11/27/12	0.5 - 1.0	ND<0.011	0.08	0.028 B	ND<0.026	ND<0.11	ND<0.011*	-	-
JSCS SLV			1.6	NE	13.0	NE	NE	NE	NE	NE

NOTES:

SVOCs = Semi-volatile Organic Carbons
ND<5 = not detected at or above stated laboratory detection limit
NE = not established
mg/kg = milligrams per kilogram
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* = LCS or LCSD exceeds the control limits
P = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 3A - FIELD PARAMETERS AND TOTAL SUSPENDED SOLIDS

Stormwater Analytical Results

Myers Container

Portland, Oregon

	Sample ID	Date	Temperature (°C)	pH	Conductivity (°C)	TSS (mg/L)
1ST EVENT	SW-12	11/09/10	9.0	7.52	83	27.0
	SW-2	11/09/10	10.0	7.75	102	ND<5.0
	SW-3	11/09/10	9.8	7.64	58	ND<5.0
	SW-8	11/09/10	10.0	8.92	101	ND<5.0
2nd EVENT	SW-12	04/04/11	9.9	7.37	78	29.8
	SW-2	04/04/11	9.1	7.76	63	56.0
	SW-3	04/04/11	9.5	8.01	105	34.0
	SW-8	04/04/11	10.6	9.10	170	3.10
3RD EVENT	SW-12	06/01/11	NM	NM	NM	168
	SW-2	06/01/11	NM	NM	NM	13.1
	SW-3	06/01/11	NM	NM	NM	28.0
	SW-8	06/01/11	NM	NM	NM	9.80
4TH EVENT	SW-12	02/22/12	11.2	7.32	108	256
	SW-2	02/22/12	12.7	7.22	58	14.0
	SW-3	02/22/12	12.0	7.28	59	47.0
	DUP-1	02/22/12	11.5	7.37	63	47.0
	SW-8	02/22/12	12.5	8.44	168	88.0

NOTES:

NM = not measured

µS = micro Siemens

°C = degrees celsius

NE = not established

TSS = Total Suspended Solids

mg/L = milligrams per Liter

ND<5 = not detected at or above stated laboratory detection limit

TABLE 3B - PETROLEUM HYDROCARBONS

Stormwater Analytical Results

Myers Container

Portland, Oregon

	Sample ID	Date	Analyte (µg/L)			
			TPH-G	DRO	RRO	TOC
1ST EVENT	SW-12	11/09/10	ND<250	430	1,000	8,410
	SW-2	11/09/10	ND<250	370	1,100	7,080
	SW-3	11/09/10	ND<250	390	1,200	7,220
	SW-8	11/09/10	ND<250	850	2,800	8,560
2ND EVENT	SW-12	04/04/11	ND<80	ND<500	ND<500	1,890
	SW-2	04/04/11	ND<80	ND<500	ND<500	2,150
	SW-3	04/04/11	ND<80	ND<500	ND<500	2,100
	SW-8	04/04/11	ND<80	ND<500	ND<500	1,320
3RD EVENT	SW-12	06/01/11	ND<80	277	710	3,930
	SW-2	06/01/11	ND<80	163	ND<476	3,000
	SW-3	06/01/11	ND<80	360	718	3,910
	SW-8	06/01/11	ND<80	2,060	476	93,800
4TH EVENT	SW-12	02/22/12	ND<80	47.2	86.0	2,880
	SW-2	02/22/12	ND<80	81.8	147	2,770
	SW-3	02/22/12	ND<80	89.2	181	2,510
	DUP-1	02/22/12	ND<80	86.0	164	2,660
	SW-8	02/22/12	ND<80	1,350	4,300	24,900

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

TOC = Total Organic Carbon

TPH-G = Total petroleum hydrocarbons as gasoline

DRO = Diesel Range Organics

RRO = Residual Range Organics

µg/L = micrograms per Liter

NE = not established

TABLE 3C - TOTAL METALS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analyte (µg/L)												
			Al	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Se	Ag	Zn
1ST EVENT	SW-12	11/09/10	1,100	0.56	0.5	0.15	2.9	13.7	9.76	51.9	ND<0.2	2.2	ND<1.0	0.04	97.7
	SW-2	11/09/10	3,740	0.68	1.6	0.43	7.8	24.2	40.5	154	ND<0.2	3.8	ND<1.0	0.16	136
	SW-3	11/09/10	3,700	0.82	1.5	0.62	9.1	27.0	53.9	173	ND<0.2	4.6	ND<1.0	0.22	184
	SW-8	11/09/10	201	0.70	0.9	0.14	5.1	6.8	5.31	36.6	ND<0.2	3.9	ND<1.0	0.07	200
2ND EVENT	SW-12	04/04/11	1,050	0.310	0.340	ND<0.189	2.30	5.56	3.57	37.6	ND<0.2	1.53	ND<0.0920	ND<0.0180	28.0
	SW-2	04/04/11	2,130	0.670	0.920	ND<0.189	6.44	12.6	23.6	84.5	ND<0.2	2.81	ND<0.0920	0.0500	63.5
	SW-3	04/04/11	1,340	0.910	0.770	ND<0.189	4.22	9.38	16.4	61.8	ND<0.2	2.13	ND<0.0920	0.0500	89.2
	SW-8	04/04/11	148	0.830	0.620	ND<0.189	1.13	3.84	2.52	17.2	ND<0.2	2.24	ND<0.0920	0.0600	79.6
3RD EVENT	SW-12	06/01/11	224	0.78	0.71	ND<0.189	1.83	6.98	7.86	388	ND<0.2	5.31	ND<0.0920	0.12	197
	SW-2	06/01/11	5,850	0.250	25.7	ND<0.189	8.22	12.5	8.23	4,550	ND<0.2	9.46	ND<0.920	0.05	28.5
	SW-3	06/01/11	701	0.340	0.410	ND<0.189	1.91	5.08	4.98	35.0	ND<0.2	1.22	ND<0.0920	0.02	26.0
	SW-8	06/01/11	678	1.19	0.38	ND<0.189	2.62	9.36	6.92	43.9	ND<0.2	1.75	ND<0.0920	0.03	36
4TH EVENT	SW-12	02/22/12	4,160	0.500	0.830	ND<1.00	5.35	8.06	9.08	106	ND<0.2	3.69	ND<1.00	0.03	44.6
	SW-2	02/22/12	3,870	0.550	0.880	ND<1.00	5.03	8.55	12.1	64.5	ND<0.2	3.10	ND<1.00	0.0500	47.2
	SW-3	02/22/12	5,020	0.910	1.05	ND<1.00	7.41	14.5	20.9	166	ND<0.2	4.54	ND<1.00	0.12	87.0
	DUP-1	02/22/12	4,080	0.830	1.00	ND<1.00	6.02	11.5	16.4	133	ND<0.2	3.57	0.190	0.11	71.4
	SW-8	02/22/12	3,620	2.11	3.49	0.540	15.7	30.3	68.7	200	0.480	8.06	0.1	0.85	249
JSCS SLVs			200	6	0.045	0.094	100	2.7	0.54	50	0.77	16	5	0.12	36

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per Liter

NE = not established

Mn = manganese

Sb = Antimony

Hg = mercury

Ni = nickel

As = Arsenic

Al = Aluminum

Se = selenium

Cd = Cadmium

Zn = zinc

Ag = silver

Cr = Chromium

Pb = lead

Cu = copper

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3D - POLYCHLORINATED BIPHENYLS

Stormwater Analytcial Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L) ¹									
			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total Aroclors
1ST EVENT	SW-12 ¹	11/09/10	ND<0.012	ND<0.042	ND<0.0014	ND<0.014	ND<0.012	ND<0.012	0.012	ND<0.0049	ND<0.0049	
	SW-2	11/09/10	ND<0.0049	ND<0.0098	ND<0.0049	ND<0.0049	ND<0.0049	0.10	0.096	ND<0.0049	ND<0.0049	
	SW-3	11/09/10	ND<0.0049	ND<0.0098	ND<0.0049	ND<0.0049	ND<0.0049	0.11	0.089	ND<0.0049	ND<0.0049	
	SW-8 ¹	11/09/10	ND<0.026	ND<0.098	ND<0.091	ND<0.035	ND<0.062	ND<0.020	ND<0.011	ND<0.00049	ND<0.00049	
2ND EVENT	SW-12	04/04/11	ND<0.0481	ND<0.0962	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	
	SW-2	04/04/11	ND<0.0481	ND<0.0962	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.144	ND<0.115	ND<0.0481	ND<0.0481	
	SW-3	04/04/11	ND<0.0481	ND<0.0962	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0962	ND<0.0481	ND<0.0481	ND<0.0481	
	SW-8	04/04/11	ND<0.0476	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.381	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.0476	
3RD EVENT	SW-12	06/01/11	ND<0.0476	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	
	SW-2	06/01/11	ND<0.0476	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	
	SW-3	06/01/11	ND<0.0476	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	
	SW-8	06/01/11	ND<0.0476	ND<0.0952	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	
4TH EVENT	SW-12	02/22/12	ND<0.0481	ND<0.0962	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	
	SW-2	02/22/12	ND<0.0472	ND<0.0943	ND<0.189	ND<0.0472	ND<0.0943	ND<0.0472	ND<0.0472	ND<0.0472	ND<0.0472	
	SW-3	02/22/12	ND<0.0472	ND<0.0943	ND<0.189	ND<0.0472	ND<0.0472	0.0578	ND<0.0472	ND<0.0472	ND<0.0472	
	DUP-1	02/22/12	ND<0.0476	ND<0.0952	ND<0.190	ND<0.0476	ND<0.0476	0.0496	ND<0.0476	ND<0.0476	ND<0.0476	
	SW-8	02/22/12	ND<0.0952	ND<0.0952	ND<0.667	ND<0.0952	ND<0.0476	0.211	ND<0.0476	ND<0.0476	ND<0.0476	
JSCS SLVs			0.96	0.034	0.034	0.034	0.034	0.033	0.034	NE	NE	0.000064

NOTES:

- PCBs = polychlorinated biphenyls
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy stormwater screening level values
- NE = not established
- µg/L = micrograms per liter (ppb)
- 1 = Elevated detection limits were reported for several arochlors due to matrix interference. Please see Laboratory Report Case Narrative.
- Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3E - VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																	
			Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenze ne	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	2-Butanone	n- Butylbenzen e	sec- Butylbenzen e	tert- Butylbenzen e	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenze ne	Chloroethan e	2- Chloroethyl Vinyl Ether
1ST EVENT	SW-12	11/09/10	ND<20	ND<20	ND<5.0	ND<0.50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	-	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0
	SW-2	11/09/10	ND<20	ND<20	ND<5.0	ND<0.50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	-	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0
	SW-3	11/09/10	48	ND<20	ND<5.0	ND<0.50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	-	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0
	SW-8	11/09/10	ND<20	ND<20	ND<5.0	ND<0.50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	-	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0
2ND EVENT	SW-12	04/04/11	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-2	04/04/11	9.58	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-3	04/04/11	9.53	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-8	04/04/11	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
3RD EVENT	SW-12	06/01/11	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-2	06/01/11	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	0.100	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-3	06/01/11	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-8	06/01/11	8.59	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
4TH EVENT	SW-12	02/22/12	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-2	02/22/12	10.3	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	6.33	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-3	02/22/12	10.9	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	6.65	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	DUP-1	02/22/12	ND<25.0	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	5.48	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
	SW-8	02/22/12	13.2	-	-	ND<0.200	ND<0.500	ND<1.00	ND<0.500	ND<1.00	ND<5.00	ND<10.0	ND<5.00	ND<1.00	ND<1.00	ND<10.0	ND<0.500	ND<0.500	ND<0.500	-
JSCS SLVs			1,500	0.042	0.12	1.2	NE	NE	1.1	8.5	8.7	7,100	NE	NE	NE	0.92	0.51	50	23	NE

Notes:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per liter (ppb)

NE = not established

VOCs = volatile organic compounds

CT = Carbon Tetrachloride

DCA = Dichloroethane

DCE = Dichloroethene

DIPE = Di-Isopropyl ether

DPA = Dichloropropane

TBA = Tert Butyl Alcohol

TCA = Trichloroethane

TCE = Trichloroethylene

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

DPE = Dichloropropene

ETBE = Ethyl tert-Butyl Ether

VC = Vinyl chloride

MTBE = Methyl Tert Butyl Ether

PCA = Tetrachloroethane

PCE = Tetrachloroethylene

TAME = Tert-Amyl Methyl Ether

TABLE 3E - VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																	
			Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	trans-1,4-Dichloro-2-butene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromomethane	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
1ST EVENT	SW-12	11/09/10	ND<0.50	ND<0.50	-	-	ND<10	-	ND<0.50	ND<2.0	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<0.50	ND<0.50
	SW-2	11/09/10	ND<0.50	ND<0.50	-	-	ND<10	-	ND<0.50	ND<2.0	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<0.50	ND<0.50
	SW-3	11/09/10	ND<0.50	ND<0.50	-	-	ND<10		ND<0.50	ND<2.0	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<0.50	ND<0.50
	SW-8	11/09/10	ND<0.50	ND<0.50	-	-	ND<10		ND<0.50	ND<2.0	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<0.50	ND<0.50
2ND EVENT	SW-12	04/04/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-2	04/04/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-3	04/04/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-8	04/04/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
3RD EVENT	SW-12	06/01/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-2	06/01/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-3	06/01/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-8	06/01/11	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
4TH EVENT	SW-12	02/22/12	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-2	02/22/12	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-3	02/22/12	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	DUP-1	02/22/12	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
	SW-8	02/22/12	ND<0.200	ND<5.00	ND<1.00	ND<1.00	-	ND<5.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
JSCS SLVs			0.17	2.1	NE	NE	7,100	NE	0.79	0.033	61	NE	NE	NE	390	47	0.73	NE	61	110

Notes:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per liter (ppb)

NE = not established

VOCs = volatile organic compounds

CT = Carbon Tetrachloride

DCA = Dichloroethane

DCE = Dichloroethene

DIPE = Di-Isopropyl ether

DPA = Dichloropropane

TBA = Tert Butyl Alcohol

TCA = Trichloroethane

TCE = Trichloroethylene

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

DPE = Dichloropropene

ETBE = Ethyl tert-Butyl Ether

VC = Vinyl chloride

MTBE = Methyl Tert Butyl Ether

PCA = Tetrachloroethane

PCE = Tetrachloroethylene

TAME = Tert-Amyl Methyl Ether

TABLE 3E - VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																	
			1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	4-Methyl-2-pentanone	Methyl tert-butyl ether	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene
1ST EVENT	SW-12	11/09/10	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<20	ND<5.0	ND<2.0	-	ND<20	ND<0.50	ND<2.0	-	-	ND<0.50
	SW-2	11/09/10	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<20	ND<5.0	ND<2.0	-	ND<20	ND<0.50	ND<2.0	-	-	ND<0.50
	SW-3	11/09/10	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<20	ND<5.0	ND<2.0	-	ND<20	ND<0.50	ND<2.0	-	-	ND<0.50
	SW-8	11/09/10	ND<0.50	-	-	-	ND<0.50	ND<0.50	ND<0.50	-	ND<20	ND<5.0	ND<2.0	-	ND<20	ND<0.50	ND<2.0	-	-	ND<0.50
2ND EVENT	SW-12	04/04/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-2	04/04/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	0.160	ND<2.00	ND<1.00	ND<1.00
	SW-3	04/04/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	0.210	ND<2.00	ND<1.00	ND<1.00
	SW-8	04/04/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
3RD EVENT	SW-12	06/01/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	0.730	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-2	06/01/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	0.120	ND<1.00	ND<1.00
	SW-3	06/01/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-8	06/01/11	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
4TH EVENT	SW-12	02/22/12	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-2	02/22/12	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-3	02/22/12	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	DUP-1	02/22/12	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<1.00	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
	SW-8	02/22/12	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	0.130	ND<4.00	ND<10.0	-	ND<2.00	ND<2.00	ND<5.00	ND<1.00	ND<5.00	ND<2.00	ND<1.00	ND<1.00
JSCS SLVs			0.97	NE	NE	NE	0.055	0.055	7.3	NE	99	NE	660	NE	170	37	8.9	NE	NE	100

Notes:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per liter (ppb)

NE = not established

VOCs = volatile organic compounds

CT = Carbon Tetrachloride

DCA = Dichloroethane

DCE = Dichloroethene

DIPE = Di-Isopropyl ether

DPA = Dichloropropane

TBA = Tert Butyl Alcohol

TCA = Trichloroethane

TCE = Trichloroethylene

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

DPE = Dichloropropene

ETBE = Ethyl tert-Butyl Ether

VC = Vinyl chloride

MTBE = Methyl Tert Butyl Ether

PCA = Tetrachloroethane

PCE = Tetrachloroethylene

TAME = Tert-Amyl Methyl Ether

TABLE 3E - VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																
			1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Acetate	Vinyl chloride	o-Xylene	m,p-Xylene
1ST EVENT	SW-12	11/09/10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<5.0	ND<0.50	ND<0.50	ND<0.50
	SW-2	11/09/10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<5.0	ND<0.50	ND<0.50	ND<0.50
	SW-3	11/09/10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<5.0	ND<0.50	ND<0.50	ND<0.50
	SW-8	11/09/10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<5.0	ND<0.50	ND<0.50	ND<0.50
2ND EVENT	SW-12	04/04/11	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-2	04/04/11	ND<0.500	ND<0.500	ND<0.500	0.110	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-3	04/04/11	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-8	04/04/11	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
3RD EVENT	SW-12	06/01/11	ND<0.500	ND<0.500	ND<0.500	0.170	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-2	06/01/11	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-3	06/01/11	ND<0.500	ND<0.500	ND<0.500	0.110	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-8	06/01/11	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
4TH EVENT	SW-12	02/22/12	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-2	02/22/12	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-3	02/22/12	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	DUP-1	02/22/12	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	ND<1.00	ND<2.00
	SW-8	02/22/12	ND<0.500	ND<0.500	ND<0.500	0.130	ND<1.00	ND<1.00	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<1.00	-	ND<0.500	0.170	0.430
JSCS SLVs			2.5	0.33	0.12	9.8	NE	NE	11	1.2	0.17	1,300	0.0095	NE	NE	16	0.015	13	1.8

Notes:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per liter (ppb)

NE = not established

VOCs = volatile organic compounds

CT = Carbon Tetrachloride

DCA = Dichloroethane

DCE = Dichloroethene

DIPE = Di-Isopropyl ether

DPA = Dichloropropane

TBA = Tert Butyl Alcohol

TCA = Trichloroethane

TCE = Trichloroethylene

DPE = Dichloropropene

ETBE = Ethyl tert-Butyl Ether

VC = Vinyl chloride

MTBE = Methyl Tert Butyl Ether

PCA = Tetrachloroethane

PCE = Tetrachloroethylene

TAME = Tert-Amyl Methyl Ether

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3F - SEMI-VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)															
			Tetrachlorophenols	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	4-Bromophenyl phenyl ether	Butyl benzyl phthalate	Carbazole	4-Chloro-3-methylphenol
1ST EVENT	SW-12	11/09/10	-	ND<0.20	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<4.8	ND<0.48	ND<0.20	ND<0.20	ND<0.20	ND<0.48
	SW-2	11/09/10	-	ND<0.20	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<4.8	ND<0.48	ND<0.20	ND<0.20	ND<0.20	ND<0.48
	SW-3	11/09/10	-	ND<0.20	ND<0.20	ND<0.99	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<5.0	ND<0.50	ND<0.20	ND<0.20	ND<0.20	ND<0.50
	SW-8	11/09/10	-	ND<0.20	ND<0.20	ND<0.96	ND<3.9	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<4.8	ND<0.48	ND<3.9	ND<0.20	ND<3.9	ND<0.48
2ND EVENT	SW-12	04/04/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	04/04/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	04/04/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-8	04/04/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
3RD EVENT	SW-12	06/01/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	06/01/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	06/01/11	ND<24.0	ND<4.81	ND<4.81	-	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<48.1	ND<9.62	ND<4.81	ND<4.81	-	ND<4.81
	SW-8	06/01/11	ND<23.8	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<190	ND<38.1	ND<4.76	ND<4.76	-	ND<19.0
4TH EVENT	SW-12	02/22/12	-	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	02/22/12	-	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	02/22/12	-	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	DUP-1	02/22/12	-	ND<4.76	ND<4.76	-	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<47.6	ND<9.52	ND<4.76	ND<4.76	-	ND<4.76
	SW-8	02/22/12	-	ND<19.0	ND<19.0	-	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<190	ND<38.1	ND<19.0	ND<19.0		ND<19.0
JSCS SLVs			NE	0.2	0.2	12	0.2	0.018	0.018	0.018	0.2	0.018	42	8.6	NE	3	3.4	NE

NOTES: SVOCs = semivolatile organic compounds
ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy stormwater screening level values
µg/L = micrograms per Liter
NE = not established
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3F - SEMI-VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)															
			4-Chloroaniline	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenzo(a,h)anthracene	Dibenzofuran	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	3,3'-Dichlorobenzidine
1ST EVENT	SW-12	11/09/10	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.48	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<2.0
	SW-2	11/09/10	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.48	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<2.0
	SW-3	11/09/10	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.50	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<2.0
	SW-8	11/09/10	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.48	ND<0.20	ND<0.20	ND<3.9	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<2.0
2ND EVENT	SW-12	04/04/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-2	04/04/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-3	04/04/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-8	04/04/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
3RD EVENT	SW-12	06/01/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-2	06/01/11	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-3	06/01/11	ND<19.2	ND<9.62	ND<4.81	ND<9.62	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81	ND<4.81
	SW-8	06/01/11	ND<76.2	ND<38.1	ND<19.0	ND<38.1	ND<4.76	ND<19.0	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<19.0	ND<19.0	ND<19.0	ND<4.76
4TH EVENT	SW-12	02/22/12	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-2	02/22/12	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-3	02/22/12	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	DUP-1	02/22/12	ND<19.0	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76	ND<4.76
	SW-8	02/22/12	ND<76.2	ND<38.1	ND<19.0	ND<38.1	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0	ND<19.0
JSCS SLVs			150	NE	0.06	NE	490	30	0.06	0.018	3	3	0.018	3.7	49	14	2.8	0.028

NOTES: SVOCs = semivolatilve organic compounds
ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy stormwater screening level values
µg/L = micrograms per Liter
NE = not established
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3F - SEMI-VOLATILE ORGANIC COMPOUNDS

Stormwater Aanlytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																
			2,4-Dichlorophe nol	Diethyl phthalate	2,4-Dimethylph enol	Dimethyl phthalate	4,6-Dinitro-2- methylphenol	2,4-Dinitrophen ol	2,4-Dinitrotolue ne	2,6-Dinitrotolue ne	Bis(2-ethylhexyl)ph thalate	Fluoranthene	Fluorene	Hexachloro benzene	Hexachloro butadiene	Hexachlorocycl opentadiene	Hexachloroe thane	Indeno(1,2,3- cd)pyrene	Isophorone
1ST EVENT	SW-12	11/09/10	ND<0.48	ND<0.20	ND<3.9	ND<0.20	ND<2.0	ND<3.9	ND<0.20	ND<0.20	2.2	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20
	SW-2	11/09/10	ND<0.48	ND<0.20	ND<3.9	ND<0.20	ND<2.0	ND<3.9	ND<0.20	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20
	SW-3	11/09/10	ND<0.50	ND<0.20	ND<4.0	ND<0.20	ND<2.0	ND<4.0	ND<0.20	ND<0.20	1.1	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.99	ND<0.20	ND<0.20	ND<0.20
	SW-8	11/09/10	ND<0.48	ND<0.20	ND<3.9	ND<0.20	ND<2.0	ND<3.9	ND<0.20	ND<0.20	1.5	ND<3.9	ND<0.20	ND<3.9	ND<0.20	ND<0.96	ND<0.20	ND<0.20	ND<0.20
2ND EVENT	SW-12	04/04/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-2	04/04/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-3	04/04/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-8	04/04/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
3RD EVENT	SW-12	06/01/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-2	06/01/11	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-3	06/01/11	ND<4.81	ND<4.81	ND<9.62	ND<4.81	ND<9.62	ND<24.0	ND<4.81	ND<4.81	ND<9.62	ND<4.81	ND<4.81	ND<4.81	ND<9.62	ND<9.62	ND<9.62	ND<9.62	ND<4.81
	SW-8	06/01/11	ND<19.0	ND<4.76	ND<38.1	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<38.1	ND<9.52	ND<38.1	ND<4.76	ND<19.0
4TH EVENT	SW-12	02/22/12	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-2	02/22/12	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-3	02/22/12	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	DUP-1	02/22/12	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<9.52	ND<23.8	ND<4.76	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<9.52	ND<9.52	ND<4.76
	SW-8	02/22/12	ND<19.0	ND<19.0	ND<38.1	ND<19.0	ND<38.1	ND<95.2	ND<19.0	ND<19.0	ND<38.1	ND<19.0	ND<19.0	ND<19.0	ND<38.1	ND<38.1	ND<38.1	ND<38.1	ND<19.0
JSCS SLVs			110	3	730	3	150	73	3.4	37	2.2	0.2	0.2	0.00029	0.86	5.2	3.3	0.018	71

NOTES: SVOCs = semivolatilve organic compounds
ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy stormwater screening level values
µg/L = micrograms per Liter
NE = not established
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3F - SEMI-VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)																	
			2-Methylnaphthalene	2-Methylphenol	3-,4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,3,4,6-Tetrachlorophenol	1,2,4-Trichlorobenzene
1ST EVENT	SW-12	11/09/10	ND<0.20	ND<0.48	ND<0.48	ND<0.20	ND<0.20	ND<0.96	ND<0.96	ND<0.20	ND<0.48	ND<2.0	ND<0.20	ND<2.0	ND<2.0	ND<0.20	ND<0.48	ND<0.20	ND<2.0	ND<0.20
	SW-2	11/09/10	ND<0.20	ND<0.48	ND<0.48	ND<0.20	ND<0.20	ND<0.96	ND<0.96	ND<0.20	ND<0.48	ND<2.0	ND<0.20	ND<2.0	ND<2.0	ND<0.20	ND<0.48	ND<0.20	ND<2.0	ND<0.20
	SW-3	11/09/10	ND<0.20	ND<0.50	ND<0.50	ND<0.20	ND<0.20	ND<0.99	ND<0.99	ND<0.20	ND<0.50	ND<2.0	ND<0.20	ND<2.0	ND<2.0	ND<0.20	ND<0.50	ND<0.20	ND<2.0	ND<0.20
	SW-8	11/09/10	ND<0.20	ND<0.48	ND<0.48	ND<0.20	ND<0.20	ND<0.96	ND<0.96	ND<0.20	ND<0.48	ND<2.0	ND<0.20	ND<2.0	ND<39.0	ND<3.9	ND<0.48	ND<0.20	ND<2.0	ND<0.20
2ND EVENT	SW-12	04/04/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	04/04/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	04/04/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-8	04/04/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
3RD EVENT	SW-12	06/01/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	06/01/11	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	06/01/11	ND<4.81	ND<9.62	ND<4.81	ND<4.81	ND<4.81	ND<9.62	ND<9.62	ND<4.81	ND<4.81	ND<24.0	ND<9.62	ND<4.81	ND<9.62	ND<4.81	ND<4.81	ND<4.81	-	ND<4.81
	SW-8	06/01/11	ND<19.0	ND<38.1	ND<19.0	ND<19.0	ND<4.76	ND<9.52	ND<9.52	ND<19.0	ND<19.0	ND<23.8	ND<38.1	ND<4.76	ND<9.52	ND<4.76	ND<19.0	ND<4.76	-	ND<19.0
4TH EVENT	SW-12	02/22/12	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-2	02/22/12	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-3	02/22/12	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	DUP-1	02/22/12	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	ND<9.52	ND<9.52	ND<4.76	ND<4.76	ND<23.8	ND<9.52	ND<4.76	ND<9.52	ND<4.76	ND<4.76	ND<4.76	-	ND<4.76
	SW-8	02/22/12	ND<19.0	ND<38.1	ND<19.0	ND<19.0	ND<19.0	ND<38.1	ND<38.1	ND<19.0	ND<19.0	ND<95.2	ND<38.1	ND<19.0	ND<38.1	ND<19.0	ND<19.0	ND<19.0	-	ND<19.0
JSCS SLVs			0.2	13	180	0.2	110.0	3.2	3.2	3.4	150	150	0.0096	0.00042	0.56	0.2	2,560	0.2	1,100	8.2

NOTES: SVOCs = semivolatlive organic compounds
ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy stormwater screening level values
µg/L = micrograms per Liter
NE = not established
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3F - SEMI-VOLATILE ORGANIC COMPOUNDS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)	
			2,4,5-Trichloroph enol	2,4,6-Trichloroph enol
1ST EVENT	SW-12	11/09/10	ND<0.48	ND<0.48
	SW-2	11/09/10	ND<0.48	ND<0.48
	SW-3	11/09/10	ND<0.50	ND<0.50
	SW-8	11/09/10	ND<0.48	ND<0.48
2ND EVENT	SW-12	04/04/11	ND<4.76	ND<4.76
	SW-2	04/04/11	ND<4.76	ND<4.76
	SW-3	04/04/11	ND<4.76	ND<4.76
	SW-8	04/04/11	ND<4.76	ND<4.76
3RD EVENT	SW-12	06/01/11	ND<4.76	ND<4.76
	SW-2	06/01/11	ND<4.76	ND<4.76
	SW-3	06/01/11	ND<4.81	ND<4.81
	SW-8	06/01/11	ND<4.76	ND<4.76
4TH EVENT	SW-12	02/22/12	ND<4.76	ND<4.76
	SW-2	02/22/12	ND<4.76	ND<4.76
	SW-3	02/22/12	ND<4.76	ND<4.76
	DUP-1	02/22/12	ND<4.76	ND<4.76
	SW-8	02/22/12	ND<19.0	ND<19.0
JSCS SLVs			3,600	2.4

NOTES: SVOCs = semivolatilve organic compounds
ND<5 = not detected at or above stated laboratory detection limit
JSCS SLVs = Joint Source Control Strategy stormwater screening level values
µg/L = micrograms per Liter
NE = not established
Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3G - ORGANOCHLORINE PESTICIDES

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L) ¹													
			Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	gamma-chlordane	alpha-chlordane	Chlordane (tech)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II
1ST EVENT	SW-12	11/09/10	ND<0.00481	ND<0.00495	ND<0.0097	ND<0.0097	ND<0.0097	-	-	ND<0.200	ND<0.0097	ND<0.0097	0.022	ND<0.0097	ND<0.0097	ND<0.0097
	SW-2	11/09/10	ND<0.00476	ND<0.00488	ND<0.0098	ND<0.0098	ND<0.0098	-	-	0.34	0.012	0.0039	0.071	0.019	ND<0.0098	ND<0.0098
	SW-3	11/09/10	ND<0.00481	ND<0.00478	ND<0.0098	ND<0.0098	ND<0.0098	-	-	0.26	0.0075	0.0082	0.058	0.019	ND<0.0098	ND<0.0098
	SW-8	11/09/10	0.0	ND<0.00481	ND<0.0025	ND<0.0027	ND<0.026	-	-	0.075	ND<0.0037	0.0025	0.0086	0.012	ND<0.0025	ND<0.0025
2ND EVENT	SW-12	04/04/11	ND<0.0098	ND<0.00481	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.0495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495
	SW-2	04/04/11	ND<0.0098	ND<0.00476	ND<0.00488	ND<0.00488	ND<0.00488	0.0324	0.0279	0.144	ND<0.0195	ND<0.00488	0.00910	ND<0.00976	ND<0.00488	ND<0.00488
	SW-3	04/04/11	ND<0.00478	ND<0.00481	ND<0.00478	ND<0.00478	ND<0.00478	0.0170	0.0148	0.0950	ND<0.00957	ND<0.00478	0.00794	ND<0.00478	ND<0.00478	ND<0.00478
	SW-8	04/04/11	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	0.0184	0.0291	0.218	ND<0.00962	ND<0.00962	ND<0.00481	0.0947	ND<0.00481	ND<0.00481
3RD EVENT	SW-12	06/01/11	ND<0.00488	ND<0.0098	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.0481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.0192	ND<0.00481
	SW-2	06/01/11	ND<0.00478	ND<0.0098	ND<0.00476	ND<0.00476	ND<0.00476	0.0109	0.00967	0.0939	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476
	SW-3	06/01/11	ND<0.00481	ND<0.0025	ND<0.00481	ND<0.00481	ND<0.00481	0.00629	0.00535	0.0799	ND<0.00962	ND<0.00481	0.00503	ND<0.00481	ND<0.0192	ND<0.00481
	SW-8	06/01/11	ND<0.00481	ND<0.00481	ND<0.0192	ND<0.0192	ND<0.00481	0.0131	0.0156	ND<0.240	0.00997	ND<0.00481	0.0100	0.0381	ND<0.00962	ND<0.00481
4TH EVENT	SW-12	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0238	ND<0.00952	ND<0.00952
	SW-2	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	0.0111	ND<0.00952	ND<0.0952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0238	ND<0.00952	ND<0.00952
	SW-3	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0238	ND<0.00952	ND<0.00952
	DUP-1	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.0238	ND<0.00952	ND<0.00952
	SW-8 ²	02/22/12	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	0.0247	ND<0.0943	0.0465	ND<0.00943	0.0531	0.0114	0.00975	ND<0.00943
JSCS SLVs			0.00005	0.0049	0.017	0.037	0.052	NE	NE	0.00081	0.00031	0.00022	0.00022	0.000054	0.051	0.051

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy Stormwater screening level values

NE = not established

ug/L = micrograms per liter (ppb)

1 = Elevated detection limits were reported for several analytes due to the presence of non-target background components. Please see Laboratory Report Case Narrative.

2 = Sample preserved improperly. However, Laboratory noted that data would not be affected. Data deemed valid.

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3G - ORGANOCHLORINE PESTICIDES

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L) ¹													
			Endosulfan sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor epoxide	Methoxychlor	cis-Nanochlor	trans-Nanochlor	Oxychlorthane	Toxaphene	2,4'-DDD	2,4'-DDE	2,4'-DDT
1ST EVENT	SW-12	11/09/10	ND<0.0097	ND<0.0098	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.490	ND<0.0097	ND<0.0097	ND<0.0097
	SW-2	11/09/10	0.0081	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.023	0.022	ND<0.0098	ND<1.1	0.0079	ND<0.0098	0.013
	SW-3	11/09/10	0.0075	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.023	0.015	ND<0.0098	ND<0.960	0.017	ND<0.0098	0.013
	SW-8	11/09/10	ND<0.0025	ND<0.0025	0.0028	ND<0.0025	ND<0.0025	0.0026	ND<0.0025	0.0051	0.0037	ND<0.0025	ND<0.160	ND<0.0025	ND<0.0025	ND<0.0025
2ND EVENT	SW-12	04/04/11	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	ND<0.00495	-	-	-	ND<0.124	-	-	
	SW-2	04/04/11	ND<0.00488	ND<0.00488	ND<0.00976	ND<0.00488	ND<0.00488	ND<0.00488	ND<0.00488	-	-	-	ND<0.122	-	-	-
	SW-3	04/04/11	ND<0.00478	ND<0.00478	ND<0.00478	ND<0.00478	ND<0.00478	ND<0.00478	ND<0.00478	-	-	-	ND<0.120	-	-	-
	SW-8	04/04/11	ND<0.00481	ND<0.00481	ND<0.00481	0.0163	ND<0.00481	ND<0.0192	ND<0.00481	-	-	-	ND<0.120	-	-	-
3RD EVENT	SW-12	06/01/11	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	-	-	-	ND<0.120	-	-	-
	SW-2	06/01/11	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.00476	-	-	-	ND<0.119	-	-	-
	SW-3	06/01/11	ND<0.00962	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	-	-	-	ND<0.120	-	-	-
	SW-8	06/01/11	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00481	ND<0.00962	ND<0.00481	-	-	-	ND<0.120	-	-	-
4TH EVENT	SW-12	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	-	-	-	ND<0.238	-	-	-
	SW-2	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	-	-	-	ND<0.238	-	-	-
	SW-3	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	-	-	-	ND<0.238	-	-	-
	DUP-1	02/22/12	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	ND<0.00952	-	-	-	ND<0.238	-	-	-
	SW-8 ²	02/22/12	ND<0.00943	0.0164	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	-	-	-	ND<0.236	-	-	-
JSCS SLVs			NE	0.036	NE	NE	0.000079	0.000039	0.03	0.19	0.19	0.19	0.0002	0.00031	0.00022	0.00022

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy Stormwater screening level values

NE = not established

ug/L = micrograms per liter (ppb)

1 = Elevated detection limits were reported for several analytes due to the presence of non-target background components. Please see Laboratory Report Case Narrative.

2 = Sample preserved improperly. However, Laboratory noted that data would not be affected. Data deemed valid.

Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3H - POLYNUCLEAR AROMATIC HYDROCARBONS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)												
			2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene
1ST EVENT	SW-12	11/09/10	ND<0.020	ND<0.020	ND<0.020	0.025	0.072	0.072	0.12	0.098	0.036	0.13	ND<0.020	0.18	ND<0.020
	SW-2	11/09/10	ND<0.020	ND<0.020	ND<0.020	ND<0.020	0.025	0.025	0.078	0.041	ND<0.020	0.040	ND<0.020	0.099	ND<0.020
	SW-3	11/09/10	ND<0.020	0.046	ND<0.020	0.086	0.21	0.23	0.30	0.17	0.12	0.30	0.040	0.47	0.029
	SW-8	11/09/10	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020
2ND EVENT	SW-12	04/04/11	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	0.00566	0.00586	0.00670	ND<0.0481	0.00521	0.0121	ND<0.00481	ND<0.0481	ND<0.0481
	SW-2	04/04/11	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	0.00549	0.00532	0.0100	ND<0.0476	0.00871	0.0165	ND<0.00476	ND<0.0476	ND<0.0476
	SW-3	04/04/11	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	0.00597	0.00575	0.0103	ND<0.0476	0.00842	0.0151	ND<0.00476	ND<0.0476	ND<0.0476
	SW-8	04/04/11	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.0476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.0476	ND<0.0476
3RD EVENT	SW-12	06/01/11	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.00476	ND<0.00476	ND<0.00476	ND<0.0476	ND<0.00476	0.00780	ND<0.00476	ND<0.0476	ND<0.0476
	SW-2	06/01/11	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.0476	ND<0.00476	ND<0.00476	0.00563	ND<0.0476	ND<0.00476	0.00902	ND<0.00476	ND<0.0476	ND<0.0476
	SW-3	06/01/11	ND<0.0478	ND<0.0478	ND<0.0478	ND<0.0478	ND<0.00478	ND<0.00478	0.00682	ND<0.0478	ND<0.00478	0.0117	ND<0.00478	ND<0.0478	ND<0.0478
	SW-8	06/01/11	ND<0.190	ND<0.190	ND<0.190	ND<0.0476	0.0114	ND<0.00952	0.00482	ND<0.0476	ND<0.00476	0.0180	ND<0.00476	ND<0.0476	ND<0.190
4THE EVENT	SW-12	02/22/12	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.00481	ND<0.00481	0.00603	ND<0.0481	0.00589	0.00609	0.0131	ND<0.0481	ND<0.0481
	SW-2	02/22/12	ND<0.0478	ND<0.0478	ND<0.0478	ND<0.0478	0.00598	ND<0.00478	0.00954	ND<0.0478	0.00638	0.0126	ND<0.00478	ND<0.0478	ND<0.0478
	SW-3	02/22/12	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	0.0122	0.00947	0.0197	ND<0.0481	0.0124	0.0277	ND<0.00481	ND<0.0481	ND<0.0481
	DUP-1	02/22/12	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	0.00850	0.00575	0.0104	ND<0.0481	0.00627	0.0187	ND<0.00481	ND<0.0481	ND<0.0481
	SW-8	02/22/12	ND<0.240	ND<0.0481	ND<0.0481	ND<0.0481	0.0270	0.0159	0.0310	ND<0.0481	0.0266	0.0612	ND<0.00481	0.0938	ND<0.0481
JSCS SLVs			0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2

NOTES:

- PAHs = polynuclear aromatic hydrocarbons
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy stormwater screening level values
- µg/L = micrograms per Liter (ppb)
- NE = not established
- Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 3H - POLYNUCLEAR AROMATIC HYDROCARBONS

Stormwater Analytical Results
Myers Container
Portland, Oregon

	Sample ID	Date	Analytes (µg/L)			
			Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
1ST EVENT	SW-12	11/09/10	0.062	0.060	0.13	0.19
	SW-2	11/09/10	0.040	0.041	0.032	0.10
	SW-3	11/09/10	0.18	0.057	0.29	0.43
	SW-8	11/09/10	ND<0.020	0.021	ND<0.020	ND<0.020
2ND EVENT	SW-12	04/04/11	ND<0.00481	ND<0.0481	ND<0.0481	ND<0.0481
	SW-2	04/04/11	0.00526	ND<0.0476	ND<0.0476	ND<0.0476
	SW-3	04/04/11	0.00590	ND<0.0476	ND<0.0476	ND<0.0476
	SW-8	04/04/11	ND<0.00476	ND<0.0476	ND<0.0476	ND<0.0476
3RD EVENT	SW-12	06/01/11	ND<0.00476	ND<0.0476	ND<0.0476	ND<0.0476
	SW-2	06/01/11	ND<0.00476	ND<0.0476	ND<0.0476	ND<0.0476
	SW-3	06/01/11	ND<0.00478	ND<0.0478	ND<0.0478	ND<0.0478
	SW-8	06/01/11	ND<0.00476	ND<0.190	ND<0.0476	ND<0.0476
4THE EVENT	SW-12	02/22/12	0.0136	ND<0.0481	ND<0.0481	ND<0.0481
	SW-2	02/22/12	0.00511	ND<0.0478	ND<0.0478	ND<0.0478
	SW-3	02/22/12	0.00970	ND<0.0481	ND<0.0481	ND<0.0481
	DUP-1	02/22/12	0.00565	ND<0.0481	ND<0.0481	ND<0.0481
	SW-8	02/22/12	0.0163	ND<0.240	0.0730	0.0974
JSCS SLVs			0.018	0.2	0.2	0.2

NOTES:

- PAHs = polynuclear aromatic hydrocarbons
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy stormwater screening level values
- µg/L = micrograms per Liter (ppb)
- NE = not established
- Highlighted cells indicate Reporting Limit exceeds JSCS SLVs

TABLE 4A- POLYCHLORINATED BIPHENYLS
Stormwater Analytcial Results
Myers Container
Portland, Oregon

Sample ID	Date	Analytes (µg/L)									
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
SW-3	12/04/12	ND<0.00951	ND<0.00951	ND<0.00951	ND<0.00951	ND<0.00951	ND<0.00951	ND<0.00951			
SW-3	01/30/13	ND<0.0118	ND<0.0118	ND<0.0118	ND<0.0118	ND<0.0118	ND<0.0118	ND<0.0118			
SW-3	10/22/14	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481			
SW-3	11/21/14	-	-	-	-	-	-	-			-
SW-3	02/02/15	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0481	ND<0.0962	ND<0.0962			
JSCS SLVs		0.96	0.034	0.034	0.034	0.034	0.033	0.034	NE	NE	0.000064

NOTES:

- PCBs = polychlorinated biphenyls
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy stormwater screening level values
- NE = not established
- µg/L = micrograms per liter (ppb)

TABLE 4B - ORGANOCHLORINE PESTICIDES

Stormwater Analytical Results
Myers Container
Portland, Oregon

Sample ID	Date	Analytes (µg/L) ¹													
		Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	gamma-chlordane	alpha-chlordane	Chlordane (tech)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II
SW-3	12/04/12	ND<0.00476	-	-	-	-	-	-	-	-	ND<0.00476	0.01260	0.00491	-	-
SW-3	01/30/13	ND<0.00588	-	-	-	-	-	-	-	-	ND<0.00588	0.03160	0.01030	-	-
SW-3	04/17/14	ND<4.94	-	-	-	-	-	-	-	-	ND<0.00943	ND<0.0566	ND<0.0377	-	-
SW-3	10/22/14	ND<0.0283	-	-	-	-	-	-	-	-	ND<0.00943	ND<0.0283	ND<0.0189	-	-
SW-3	11/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	12/06/14	ND<0.0566	-	-	-	-	-	-	-	-	ND<4.94	ND<4.94	ND<4.94	-	-
SW-3	02/02/15	ND<0.0577	-	-	-	-	-	-	-	-	ND<0.00962	0.0439	ND<0.0385	-	-
JSCS SLVs		0.00005	0.0049	0.017	0.037	0.052	NE	NE	0.00081	0.00031	0.00022	0.00022	0.000054	0.051	0.051

NOTES:

- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy Stormwater screening level values
- NE = not established
- ug/L = micrograms per liter (ppb)
- 1 = Elevated detection limits were reported for several analytes due to the presence of non-target background components. Please see Laboratory Report Case Narrative.
- 2 = Sample preserved improperly. However, Laboratory noted that data would not be affected. Data deemed valid.

TABLE 4B - ORGANOCHLORINE PESTICIDES
Stormwater Analytical Results
Myers Container
Portland, Oregon

Sample ID	Date	Analytes (µg/L) ¹													
		Endosulfan sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor epoxide	Methoxychlor	cis-Nanochlor	trans-Nanochlor	Oxychlorthane	Toxaphene	2,4'-DDD	2,4'-DDE	2,4'-DDT
SW-3	12/04/12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	01/30/13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	04/17/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	10/22/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	11/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	12/06/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW-3	02/02/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSCS SLVs		NE	0.036	NE	NE	0.000079	0.000039	0.03	0.19	0.19	0.19	0.0002	0.00031	0.00022	0.00022

TABLE 4C - POLYNUCLEAR AROMATIC HYDROCARBONS

Stormwater Analytical Results
Myers Container
Portland, Oregon

Sample ID	Date	Analytes (µg/L)												
		2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene
SW-3	12/04/12		ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899	ND<0.899
SW-3	01/30/13		ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909
SW-3	10/22/14		ND<0.00943		ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943		ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943
SW-3	11/21/14		-	-	-	-	-	-	-	-	-	-	-	-
SW-3	02/02/15		ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943	ND<0.00943
JSCS SLVs		0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2

NOTES:

- PAHs = polynuclear aromatic hydrocarbons
- ND<5 = not detected at or above stated laboratory detection limit
- JSCS SLVs = Joint Source Control Strategy stormwater screening level values
- µg/L = micrograms per Liter (ppb)
- NE = not established

TABLE 4C - POLYNUCLEAR AROMATIC HYDROCARBONS

Stormwater Analytical Results
Myers Container
Portland, Oregon

Sample ID	Date	Analytes (µg/L)				
		Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Pentachlorophenol
SW-3	12/04/12	ND<0.899	ND<0.899	ND<0.899	ND<0.899	1.240
SW-3	01/30/13	ND<0.909	ND<0.909	ND<0.909	ND<0.909	ND<0.909
SW-3	10/22/14	ND<0.943			ND<0.943	ND<3.77
SW-3	11/21/14	-	-	-	-	-
SW-3	02/02/15	-	-	-	-	ND<3.77
JSCS SLVs		0.018	0.2	0.2	0.2	NE

TABLE 4D - TOTAL METALS

Stormwater Analytical Results
Myers Container
Portland, Oregon

Sample ID	Date	Analyte (µg/L)													
		Al	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Se	Ag	Zn	Iron
SW-3	12/04/12	-	-	-	ND<1.0	5.76	6.17	9.77	-	-	ND<10	-	-	66.4	2,540
SW-3	12/20/12	-	-	-	ND<1.0	13.20	14.30	19.5	-	-	ND<10	-	-	88.5	No Test
SW-3	01/30/13	-	-	-	ND<1.0	13.70	20.60	60.8	-	-	6.84	-	-	151	9,640
SW-3	03/06/13	-	-	-	ND<1.0	15.00	19.70	39.30	-	-	ND<10	-	-	17.7	No Test
SW-3	12/06/13	-	-	-	-	-	50.7	46.6	-	-	-	-	-	202	-
SW-3	12/20/13	-	-	-	-	-	ND<5.0	12.3	-	-	-	-	-	277	-
SW-3	04/17/13	-	-	-	-	-	6.59	5.38	-	-	-	-	-	40.7	-
SW-3	05/08/14	-	-	-	-	-	5.61	0.00	-	-	-	-	-	65.5	-
SW-3	10/22/14	-	-	-	ND<0.2	1.23	6.04	7.77	-	-	1.07	-	-	104	692
SW-3	11/21/14	-	-	-	-	-	25.5	28.7	-	-	-	-	-	170	-
SW-3	02/02/15	-	-	-	0.289	7.57	18.9	33.6	-	-	4.29	-	-	140	6,740
JSCS SLVs		200	6	0.045	0.094	100	2.7	0.54	50	0.77	16	5	0.12	36	NE

NOTES:

ND<5 = not detected at or above stated laboratory detection limit

JSCS SLVs = Joint Source Control Strategy stormwater screening level values

µg/L = micrograms per Liter

NE = not established

Mn = manganese

Sb = Antimony

Hg = mercury

Ni = nickel

As = Arsenic

Al = Aluminum

Se = selenium

Cd = Cadmium

Zn = zinc

Ag = silver

Cr = Chromium

Pb = lead

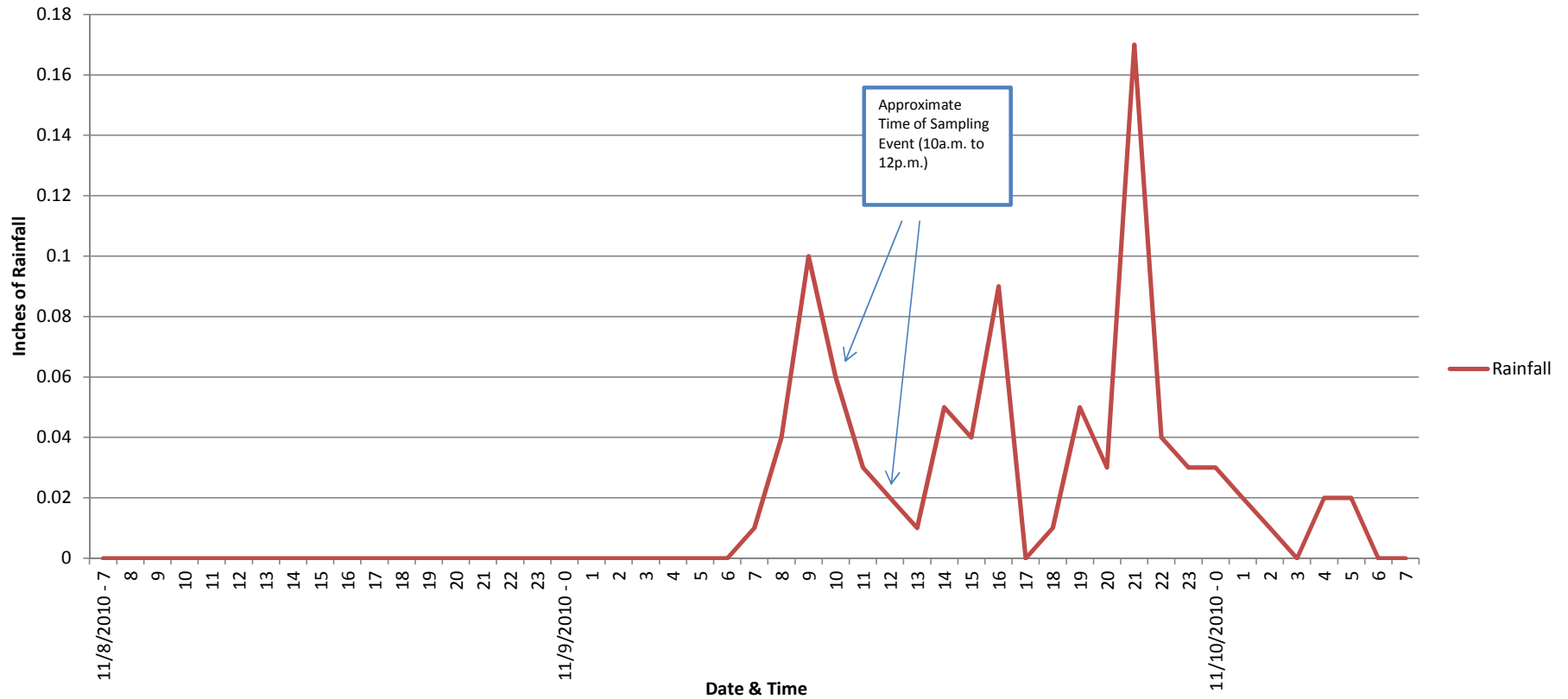
Cu = copper

GRAPHS

Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon

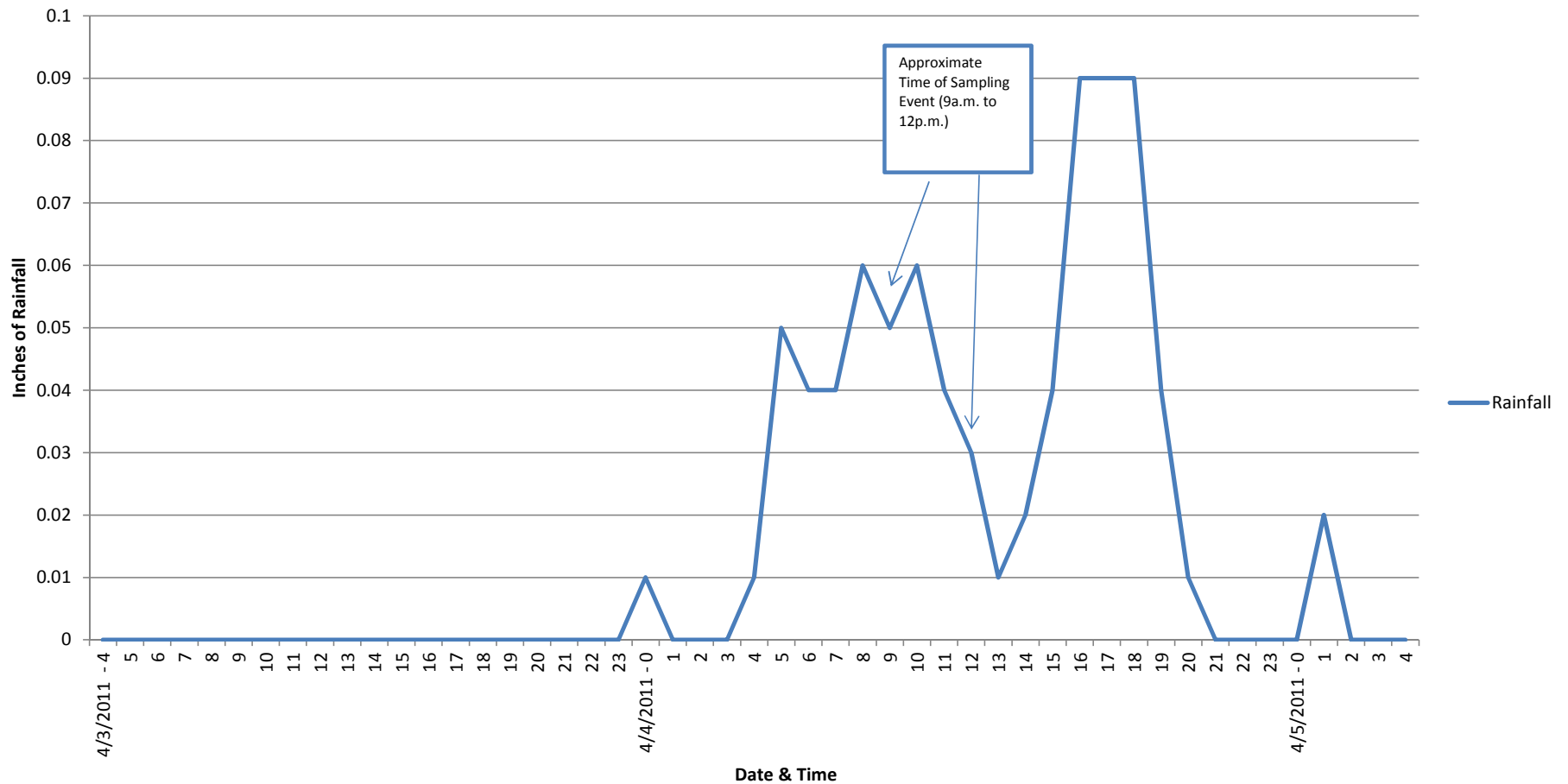
June 2015

Hydrograph of 1st Stormwater Sampling Event: 11/9/2010



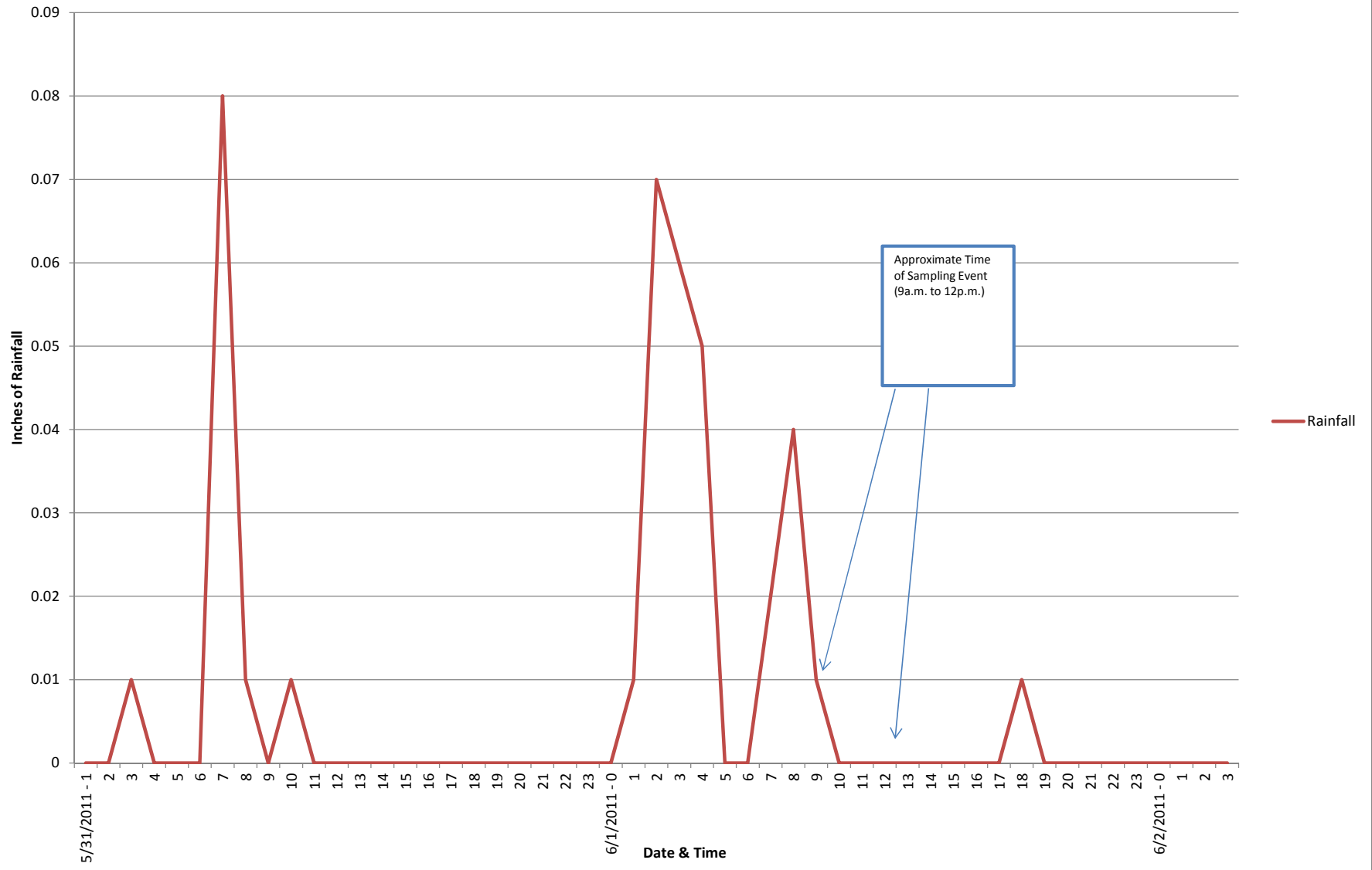
Source: City of Portland Hydra Network Yeon Rain Guage 3395 NW Yeon Avenue
<http://or.water.usgs.gov/non-usgs/bes/yeon.rain>

Hydrograph of 2nd Stormwater Sampling Event: 4/4/2011



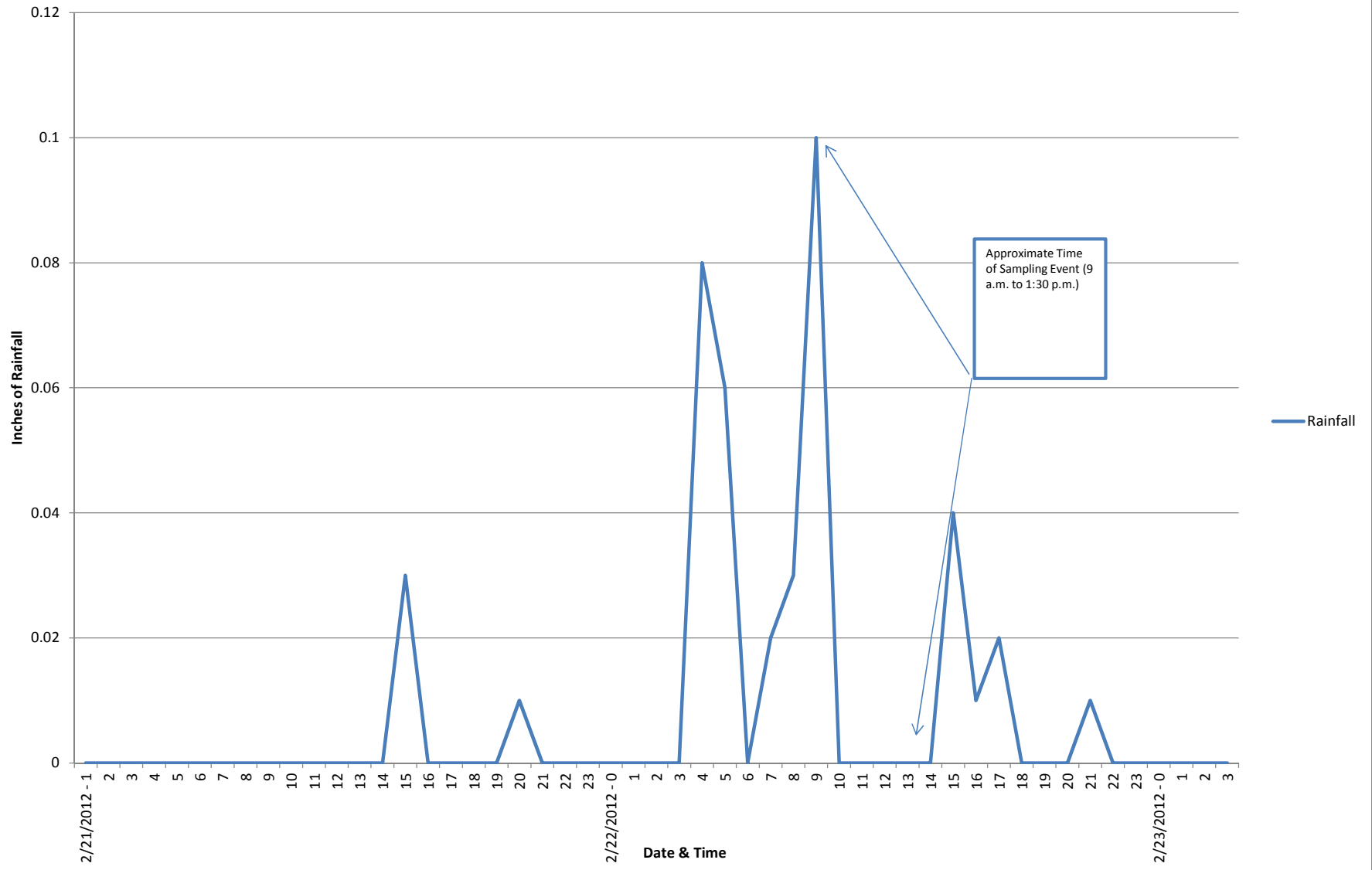
Source: City of Portland Hydra Network Yeon Rain Guage 3395 NW Yeon Avenue
<http://or.water.usgs.gov/non-usgs/bes/yeon.rain>

Hydrograph of 3rd Stormwater Sampling Event: 6/1/2011



Source: City of Portland Hydra Network Yeon Rain Guage 3395 NW Yeon Avenue
<http://or.water.usgs.gov/non-usgs/bes/yeon.rain>

Hydrograph of 4th Stormwater Sampling Event: 2/22/2012



Source: City of Portland Hydra Network Yeon Rain Guage 3395 NW Yeon Avenue
<http://or.water.usgs.gov/non-usgs/bes/yeon.rain>

APPENDIX A

SITE SURVEY

**Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon**


June 2015

SITUATED IN THE N.W. 1/4 OF SECTION
29, T.1N, R.1E, W.M. CITY OF PORTLAND,
MULTNOMAH COUNTY, OREGON



- ## GENERAL NOTES

- WE MAKE NO GUARANTEE TO THE ACCURACY OR COMPLETENESS OF ANY UTILITY INFORMATION SHOWN ON OUR MAP. WE HAVE NO INFORMATION TO GUARANTEE THAT THE PIPES ARE IN FACT A STRAIGHT LINE BETWEEN SURFACE FEATURES OR THAT THE PAINT MARKS ARE ACCURATELY LOCATED.

REVISION DATES	 Tom Nelson & Associates, L.L.C. 1001 SE WATER AVE, SUITE 390 PORTLAND, OREGON 97214 PHONE: (503) 230-1932 FAX: (503) 230-1962	
DRAWING DATA	SCALE: 1"=30' CITY: PORTLAND COUNTY: MULTNOMAH	DATE: DECEMBER 14, 2009 FILE: 9052.dwg
	DRAWN BY: SRZ	SHEET: 1 OF 1

APPENDIX B

SITE VIDEO SURVEYS

**Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon**

June 2015

APPENDIX C

GEOPHYSICAL REPORT

Container Management Services Site
3000 NW St. Helens Road
Portland, Oregon

June 2015

Geophysical Survey LLC
2200 W 8th Place
Kennewick, WA 99336

December 3, 2010

Steve Kemnitz
Strategic Engineering and Science
110 11th Street
Oakland, CA

Re: ***Drywell Investigation
3000 NW St. Helens Road
Portland, Oregon***

Dear Mr. Kemnitz:

Geophysical Survey conducted a drywell investigation at 3000 NW St. Helens Rd. in Portland, Oregon on September 23, 2010. A follow-up survey was done on December 2, 2010. The objective was to detect and delineate drywells.

Methodology

Ground-Penetrating Radar

Ground-penetrating radar (GPR) uses a transducer to transmit FM frequency electromagnetic energy into the ground. Interfaces in the ground, defined by contrasts in dielectric constants, magnetic susceptibility, and to some extent, electrical conductivity, reflect the transmitted energy. The GPR system then measures the travel time between transmitted pulses and arrival of reflected energy. Buried objects such as pipes, barrels, foundations, and buried wires can cause all or a portion of the transmitted energy to be reflected back towards a receiving antenna. Geologic features such as cross-bedding, lateral and vertical changes in soil properties, and rock interfaces can also cause reflections of a portion of the EM energy.

The dielectric constant and magnetic susceptibility of the medium primarily control the velocity of the EM energy. Values of EM velocities, for depth calculations, are determined by measurement, experience in an area, by ties to known buried reflectors, and from knowledge of the subsurface medium.

The depth of investigation is a function of the transmit power, receiver sensitivity, frequency of the antenna, and attenuation of the transmitted energy due to the geologic medium. The maximum depth of investigation may vary significantly as a result of the changing soil conditions. High attenuation, and therefore smaller penetration depths, of the EM energy typically occurs where the soil conductivity is greater than 25 milli-siemens per meter and/or in areas

with numerous reflective interfaces. Depth of investigation is also affected by highly conductive material, such as metal drums and pipes that essentially reflect all the energy. The method cannot “see” directly below areas of highly reflective material because all of the energy is reflected.

Field Survey

Mapping Control

Mapping control was established using DGPS (differential global positioning system) with sub-meter accuracy.

GPR Data Acquisition

GPR data were acquired with a Geophysical Survey Systems, Inc. (GSSI) SIR3000 control unit and a 270 MHz antenna.

Survey Results

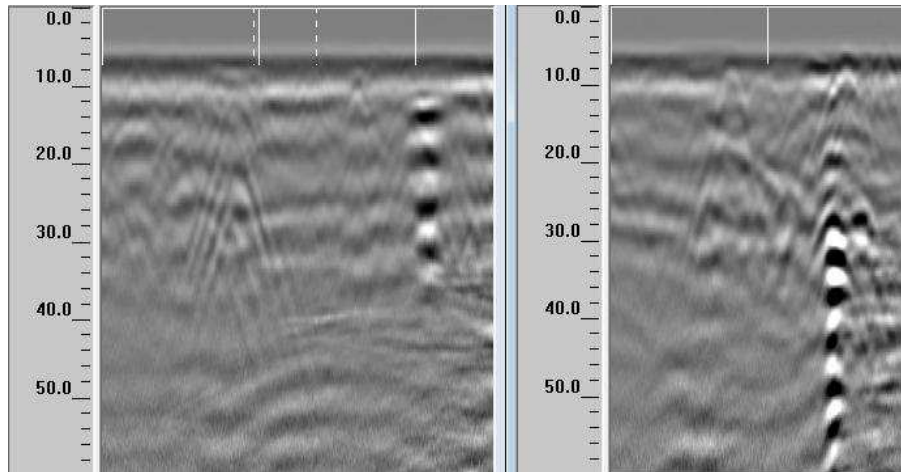
Refer to Figures 1 thru 3 for discussion of results.

Area 1: No catch basin was located in the area of the storm drain. The line at a depth of 0.9 meters (Figure 2) was identified thru utility locator current measurements as the storm line. The location of multiple shallow utility lines in the area suggests the catch basin is not located in the area.

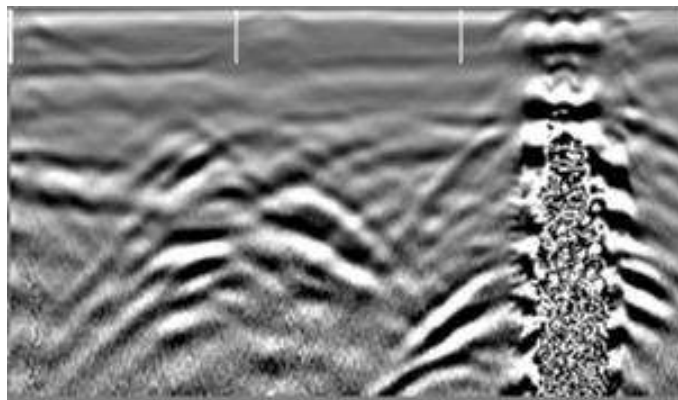
A utility locate survey employing current direction measurements was conducted on December 3, 2010. The roof drain was traced 2 meters to the north east where current measurements ended. Further GPR in the area did not identify a catch basin or drywell feature. A gasket or non-conductive joint can block current direction measurements.

Area 2: No drywell was identified in the survey area. A GPR feature was detected, approximately 1.2 meters across at a depth of 2.3 meters. The GPR feature is shown below. The left portion of the image is a east to west profile with a broad parabolic image at approximately 40 nanoSeconds (nS). The right portion is a north to south profile over the same area and does not display a similar reflection pattern. A drywell would have similar reflections in orthogonal directions and piping features would be evident directly above the feature in one of the directions. The reflection in the east west profile may be attributable to a foundation feature or natural geologic feature. The feature is not typical of a underground storage tank or other metallic anomaly as they would have a much higher amplitude. No excavation boundaries are present which would be

indicative of an excavation to remove a drywell. Such boundaries are marked by steeply sloping stratigraphic horizons.



An example of the GPR reflections consistent with a drywell and catch basin are shown below (from another site). The drywell is on the left side of the image with two associated pipes above it, the catch basin is located on the right side of the image.



Example 1

A utility locate survey employing current direction measurements was conducted on December 3, 2010. The roof drain was traced parallel to the building for 17

meters (Figure 2) before crossing the railroad tracks and linking to two catch basins. The line was verified with GPR.

Area 3: No drywell was identified in the survey area. No excavation boundaries are present which would be indicative of an excavation to remove a drywell.

Additional GPR data were collected on December 3, 2010. Data were collected to 5 meters south of the south east corner of the building. No drywell features were identified. No north-south lines were detected at the south east corner of the building in multiple GPR profiles (Image 1). Each file begins at the railroad track and moves parallel to the south face of the building, the south east corner of the building is the first white fiducial at the top of the record. The near surface conduit is present but no other linear reflectors are present in the consecutive transects.

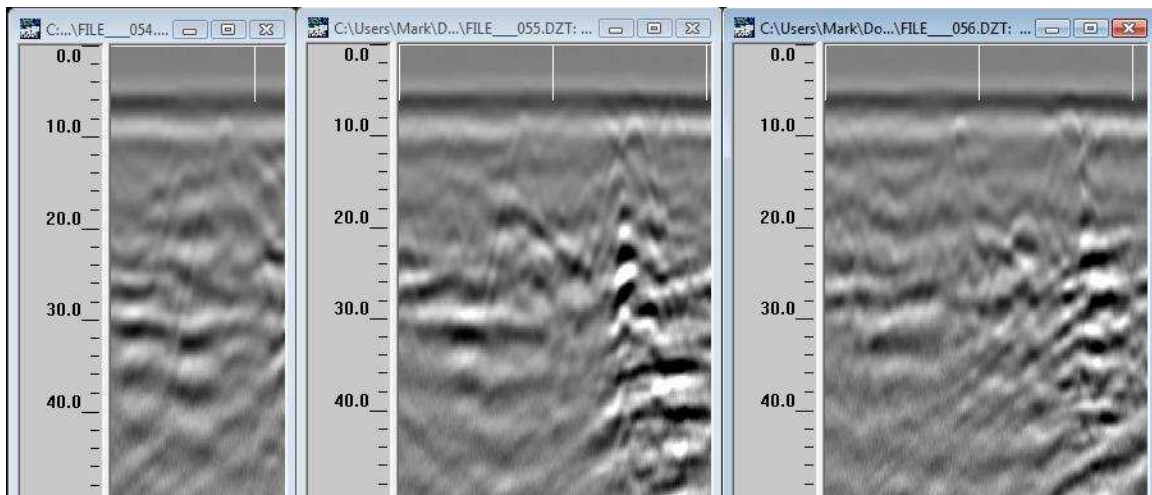


Image 1

Closure

Geophysical surveys performed as part of this survey may or may not successfully detect or delineate any or all subsurface objects or features present. Locations, depths and scale of buried objects or subsurface features mapped as a result of this survey are a result of geophysical interpretation only,

and should be considered as confirmed, actual, or accurate only where recovered by excavation or drilling.

Geophysical Survey LLC performed this work in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made. This report is intended for use only in accordance with the purposes of the study described within.

Thank you for the opportunity to work with SES. Please feel free to call if you have questions or need additional information.

Respectfully,
Geophysical Survey LLC

Mark Villa RG

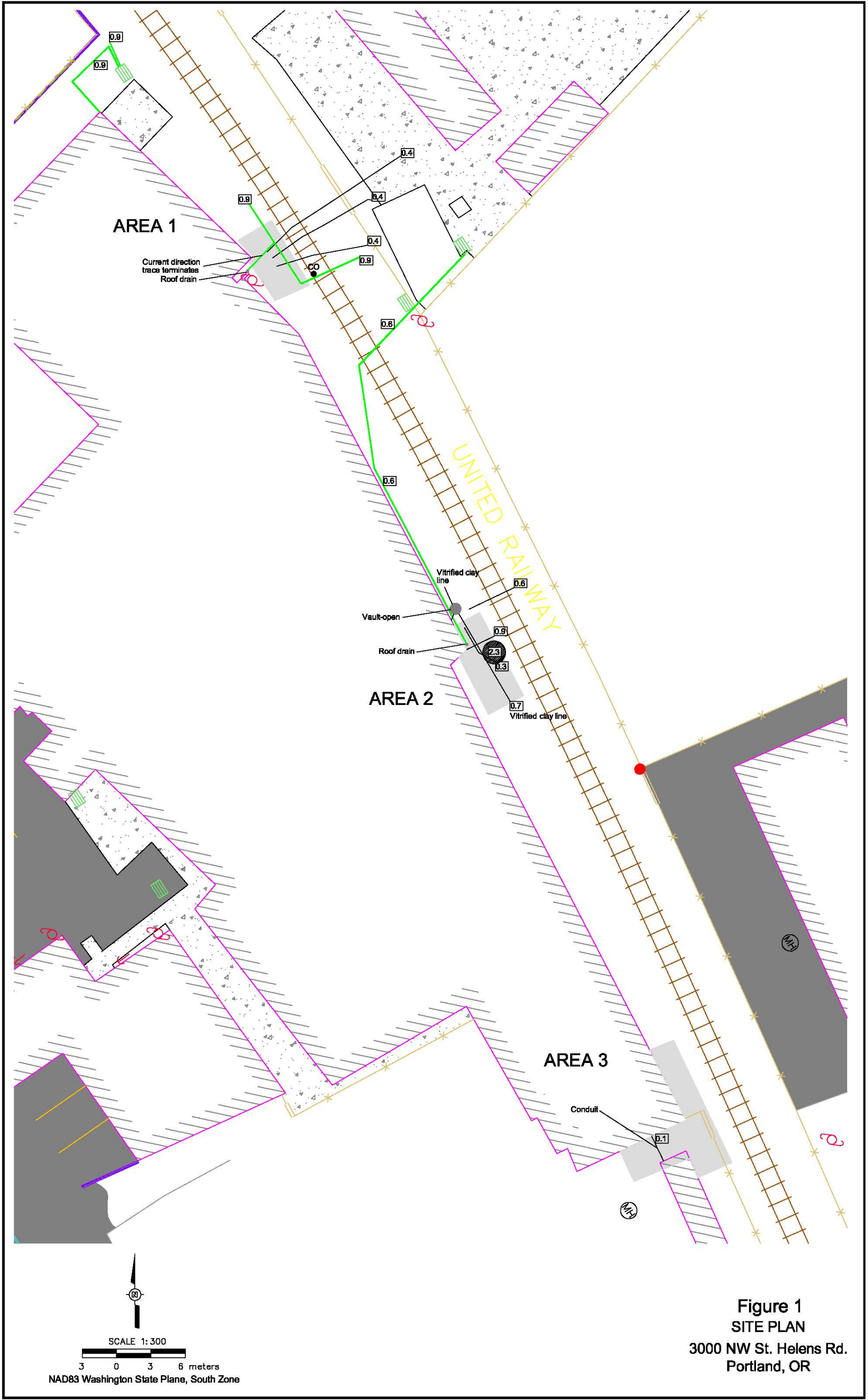
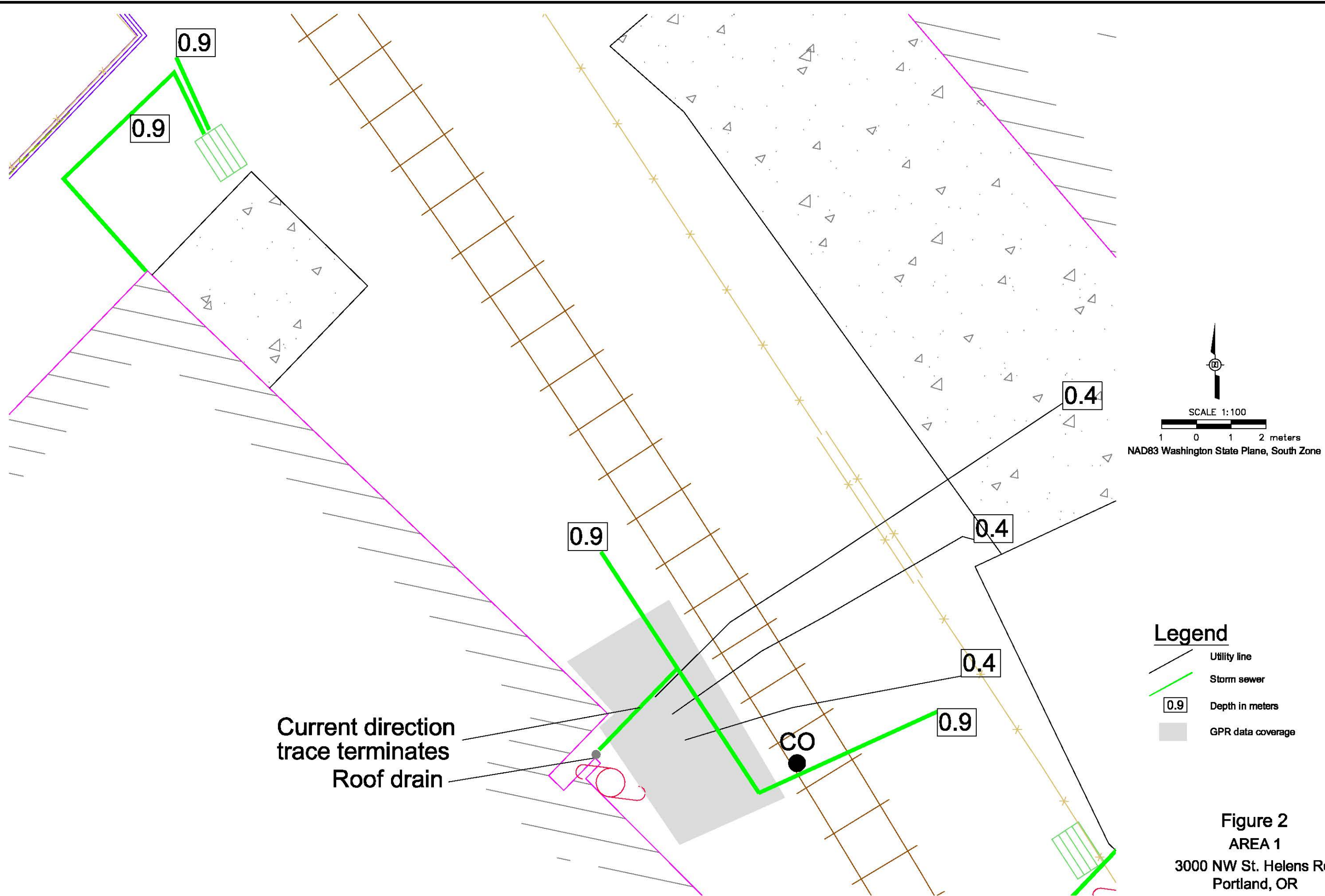


Figure 1
SITE PLAN
3000 NW St. Helens Rd.
Portland, OR

REVISION: B-12/03/10

DATE : 09/23/10

FILE : GI-SHelens.DWG



REVISION: B-12/03/10

DATE : 09/23/10

FILE : GI-SHelens.DWG

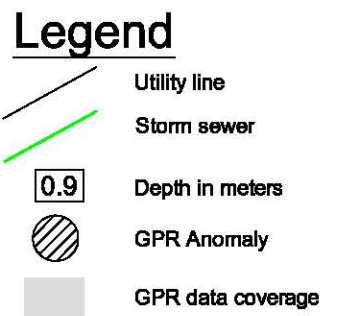
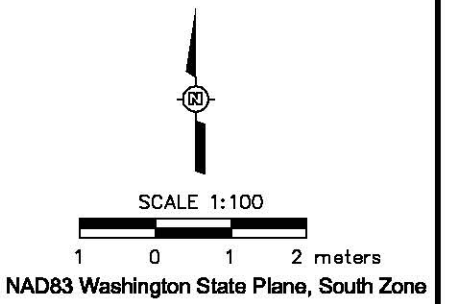
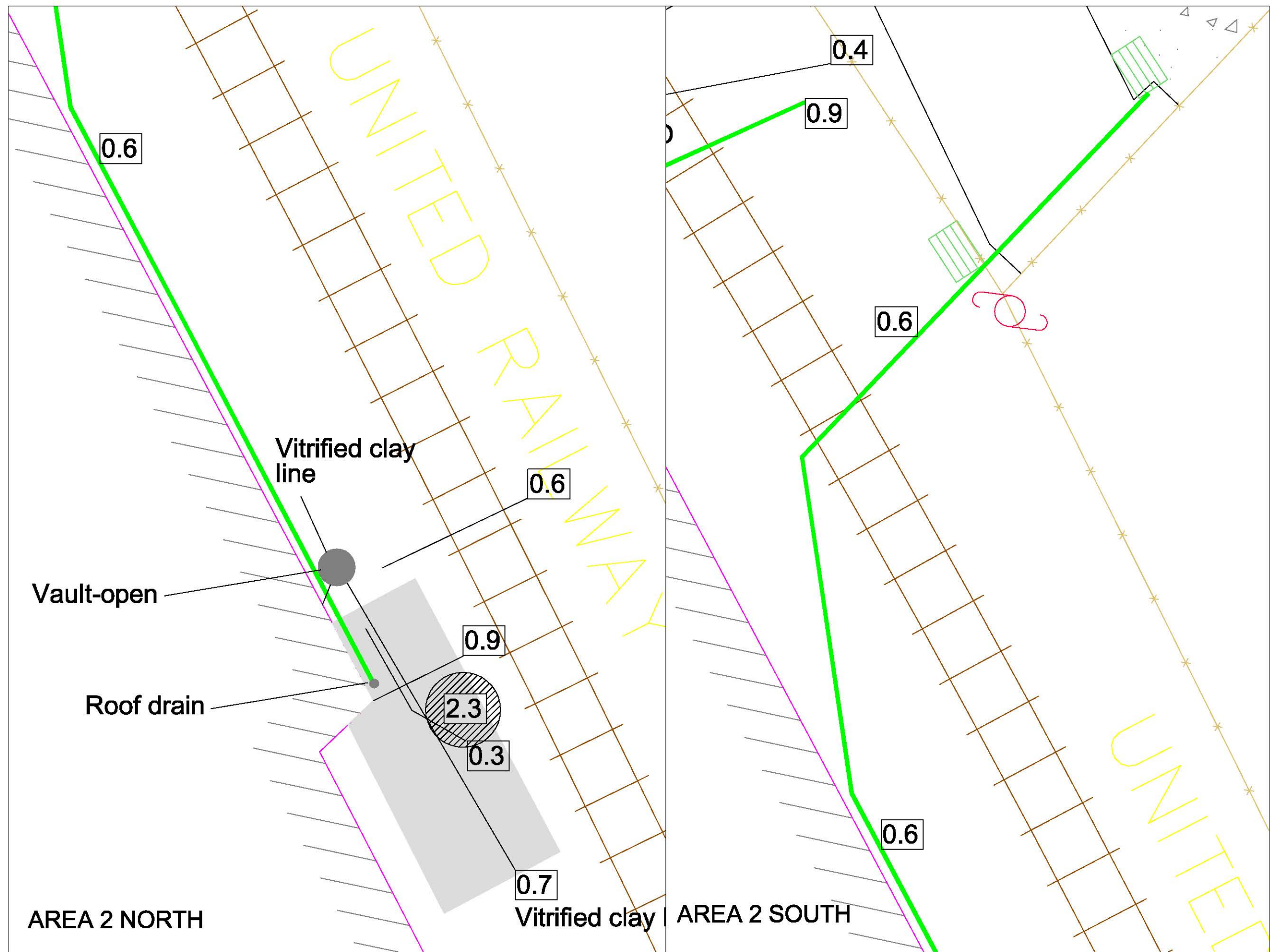
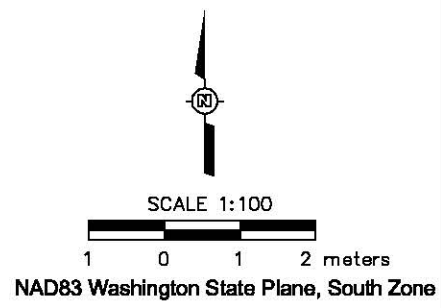
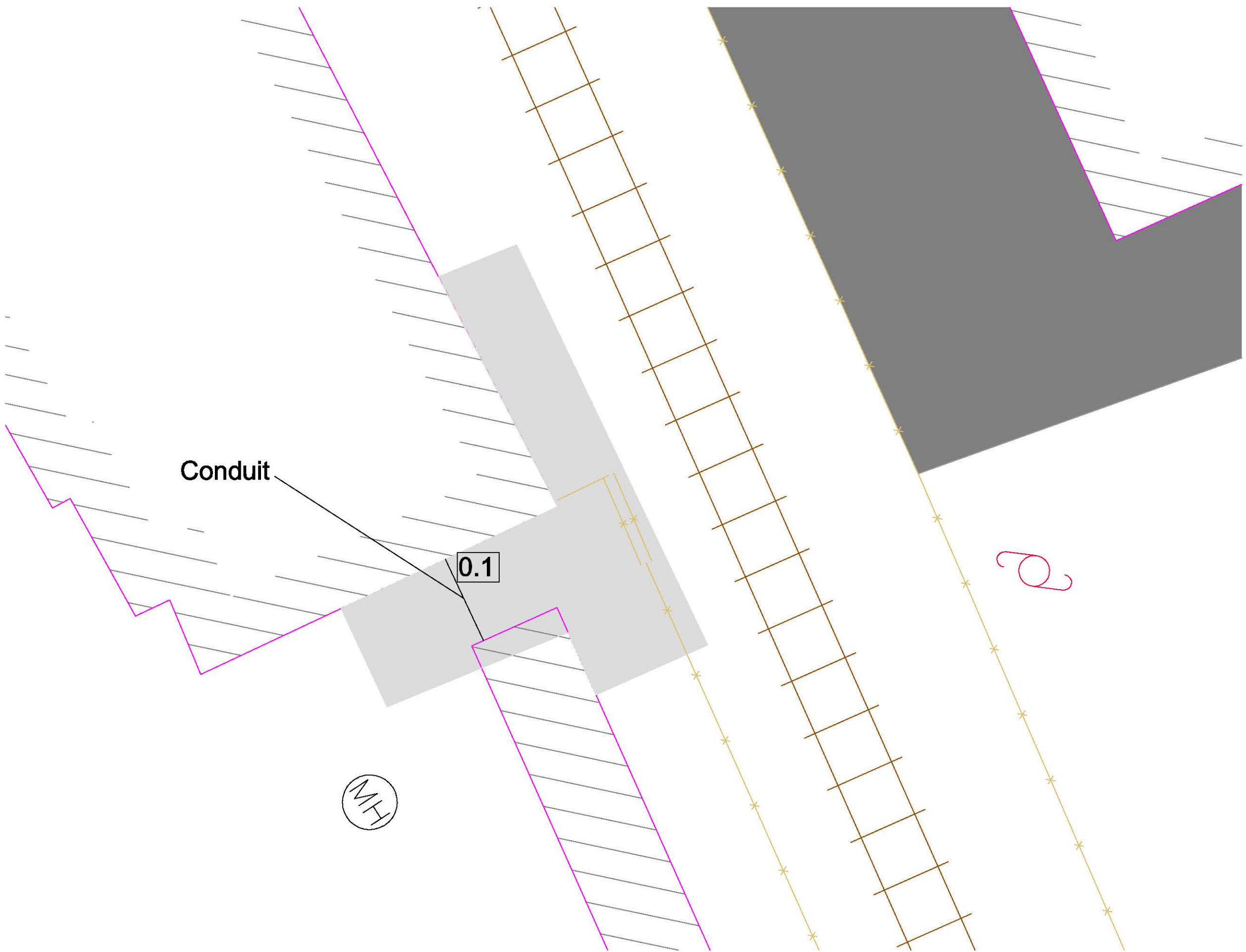


Figure 3
AREA 2
3000 NW St. Helens Rd.
Portland, OR

REVISION: B12/03/10

DATE : 09/23/10

FILE : GI-StHelens.DWG



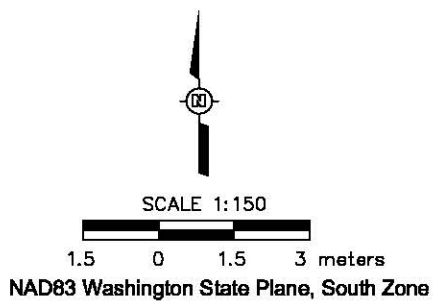
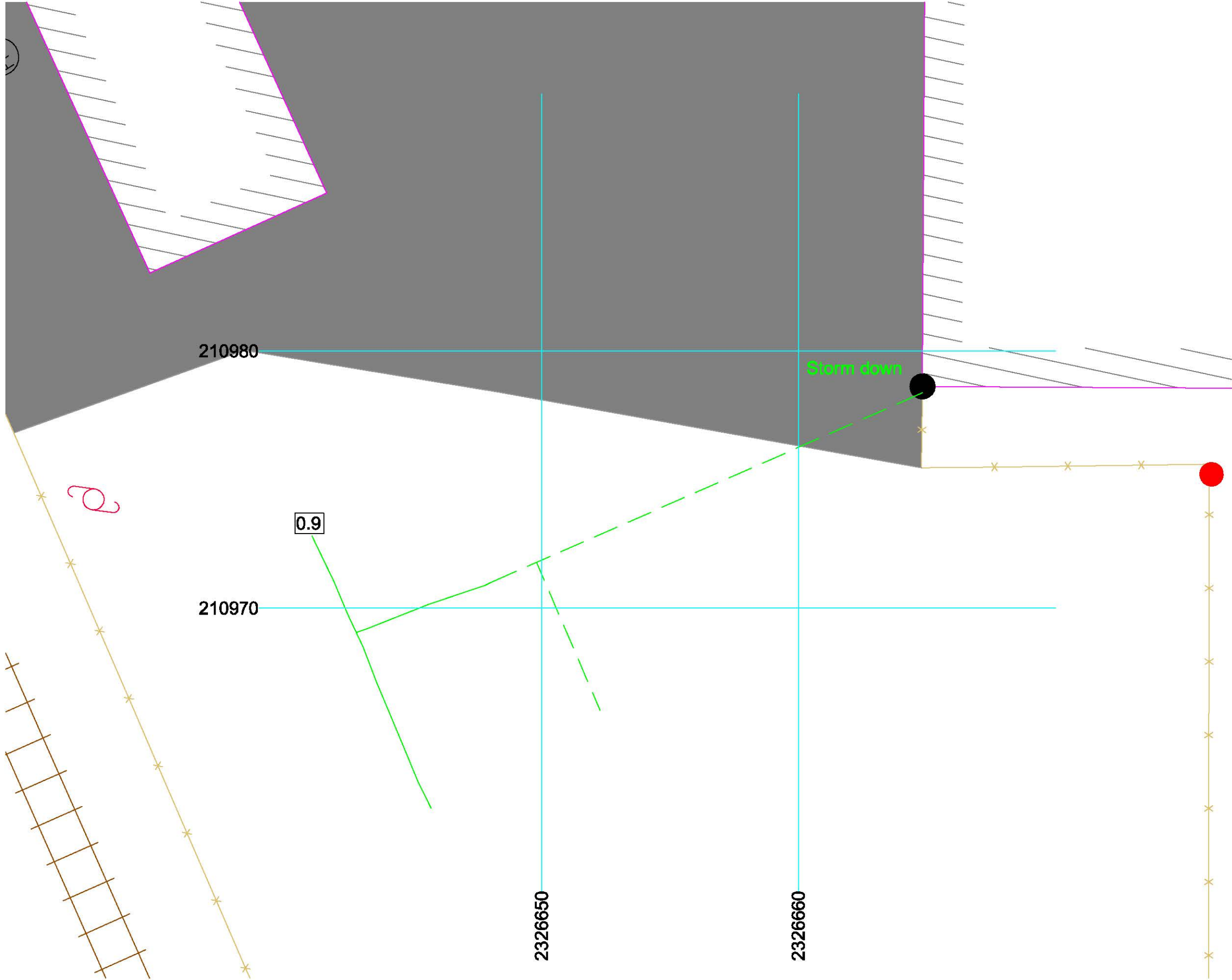
- Legend**
- Utility line
 - 0.9 Depth in meters
 - GPR Anomaly
 - GPR data coverage

Figure 4
AREA 3
3000 NW St. Helens Rd.
Portland, OR

REVISION: B:102010

DATE : 09/23/10

FILE : GI-StHelens.DWG



- Legend**
- Utility line
 - Storm sewer (dashed in drum area))
 - 0.9 Depth in meters
 - GPR data coverage

Figure 5
Storm Sewer
3000 NW St. Helens Rd.
Portland, OR

APPENDIX D

ANALYTICAL REPORT

(NOT INCLUDED IN REPORT DUE TO LARGE CONTENT SIZE)